Maritime Heritage Minnesota

Ann Merriman

Christopher Olson

Log Book 42 of the USS Essex

September 29, 1898 ~ March 31, 1899

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship



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USS *Essex* Log Book 42

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The editing of this log book and the creation of the finding aid was made possible by a generous donation from MHM friend and supporter Dr. Natalie Rosen.

Log Book 42 of the USS *Essex*: September 29, 1898-March 31, 1899

The National Archives houses USS *Essex* Log Book 42. Throughout Log Book 42, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions; sometimes specific boiler are mentioned by their letter designation
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- swinging the ship to test for compass deviation
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- discharging ashes onto a lighter
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- testing flood cocks in magazine and gun rooms
- testing of all electrical apparatus
- crew conducting ship maintenance: engine maintenance/repair, boiler maintenance/repair, coal bunker maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, caulking the decks, iron work maintenance/repair, rigging repair/replacement, tarring down rigging, airing of rigging, repairing stays, repairing yards and booms, loosed sails to dry, repairing sails, replacing sails, scraping and slushing spars, scrubbing masts and yards, repairing masts, hawser (mooring lines) maintenance/repair/replacement, condenser bed timber repair/replacement, engine bed timber repair/replacement, steam cutter maintenance/repair, steam/sail launch maintenance/repair, gig maintenance/repair, dinghy maintenance/repair, whale boat maintenance/repair, turned and cleaned hammocks and bedding, painting hammock netting panels, scraping and blacking boat davits, repaired ground tackle, repaired sounding apparatus, scraping out smokepipe, inspected cotton primers, repairing binnacles, repairing waste pipes of magazine and shell room, repairing rail, repaired skylights, repaired awning stanchions, awning repair/replacement, repairing air ports, repairing gun ports, repairing water closets, gun carriage/battery maintenance/repair

- crew conducting drills: furling and unfurling sails, target practice with the main battery (great guns), target practice with the air gun, floating target practice, boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, on shore target practice, general quarters drills, small arms drills, fire drills, single stick drills, revolver drills, torpedo drills, passing powder drills, fuze drills, abandon ship drills, man overboard drills, Gatling gun drills, howitzer drills, skirmishing, battalion drills, machine gun drills, pistol drills, rifle drills, bayonet drills, target practice with targeting hanging from a yardarm, Morse signal drills, landing party drills, navigation drills, man overboard drills, signaling with the flagship, Army and Navy signaling drills, watch signal drills, international signal drills, basic medical training (tourniquets, resuscitation), Marine Guard drill
- Marine Guard drills in the cutter
- cadet/apprentice drills: signaling drills, wig-wag signaling drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection
- liberty parties sent ashore
- crew members are discharged at their own request (DOR)
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew reporting the expiration of their contracted naval service
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- weekly Sunday services; after the services, once a month, the Articles for Better Government of the Navy were read to the crew

NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.

At the beginning of Log Book 42, on September 29, 1898[1], the USS *Essex* was put into commission under the command of Commander Rank Courtis at the Portsmouth Navy Yard in New Hampshire. Yard workmen were conducting repairs and maintenance in

[1]The original log title page incorrectly lists the beginning date of this book as 'September 29, 1899'.

preparation for launch. The next day, only the CO, XO, and Navigation Officer are on board the ship, along with 10 yard workers.

On October 1, the log contains a list of over 30 crewmen transferred to USS *Essex* from USRS *Wabash*, and for the entire month, the ship stayed in port with workmen conducting repairs and maintenance. Also throughout the month, the ship's departments received stores and provisions. Throughout October, the log described the movements of several ships including gunboat USS *Machias*, USTS *Lancaster*, Fleet Tug USS *Piscataqua*, United States Lighthouse Tender USS *Mayflower*, and US Coast and Geodetic Survey Steamer *Bache*.

At the beginning of November, yard workers serviced the davits and gun mounts and painted and caulked the ship. The crew cleaned the gun deck and stowed gear, and some crewmen were issued clothing and small stores. *Essex* accepted transfers from USTS *Lancaster* and on November 11, the ship stood out of Portsmouth, stopped to make an adjustment, and passed Cape Cod Light in the evening. The next day, the Nantucket Lightship was spotted, the ship passed Block Island, and anchored at the Naval Station Newport in Rhode Island. USS *Buffalo* was anchored in the harbor and *Essex* exchanged signals with the training station. Over the next 5 days, *Essex* received apprentices on board and crewman from USS *Yosemite* and USRS *Wabash*, and the Surgeon confirmed the status of the crew's vaccinations. The ship's CO visited the Torpedo station and the *Buffalo*, and on November 17, tug *Wompatuck* towed *Buffalo* out of the harbor. On November 27, the log includes a detailed description of the ship's attempts to hold anchor during a strong gale; *Essex* had to use her 2 bow anchors and her sheet anchor, plus her engines at full speed running toward those anchors to maintain position. Two crewmen were released from confinement because all hands were needed to fight the gale; the winds continued on the next day. During the gale, the *Essex* steam launch - moored astern in the water - filled and capsized. The crew cut the steam launch lines and she was found under the Torpedo Station wharf - without her boiler - on November 29. A hole was discovered in the ship's 4th cutter - caused by the capsized steam launch - and divers from the Torpedo Station examined *Essex's* bottom and determined she was undamaged.

On December 1, *Essex* sent a work party ashore to repair her steam launch; later in the day, the launch was returned to the ship, with her canopy missing. The next day, the crew and apprentices cleaned the ship and secured her boats for sea. On December 3, *Essex* got underway under steam and sail and through December 6, the ship experienced the sea coming in from all directions, coming in through her scuppers and gun deck ports, and heavy seas carried away her jib and flying jib booms. The crew spotted the wreckage of a lower mast with a spar attached to it, floating in the water. The next day, *Essex* moored at the Norfolk Navy Yard; she exchanged signals with USS *Texas* and fired a salute that was answered by the St. Helena Battery. On December 8, the Essex crew cleared up wreckage from the gale at the ship's bow and the steam launch was delivered to the Norfolk Navy Yard Construction Department for repairs. The next day, Yard workmen assessed more storm damage and were set to work re-caulking the gun deck, repairing the head of square sails, and they took measurements

for new head rigging. For the remainder of December, Norfolk Yard workmen conducted repairs to Essex caused by the storm she traveled through just after her recommissioning. On December 24, the ship's blacksmith was seen to jump ship, and he was apprehended. Two days later, 2 apprentices escaped confinement and a small fire was extinguished in the fore peak, fueled by the ship's cotton waste. On December 27, the crew witnessed a total eclipse of the moon that began at 6:30 pm, visible due to a clear night. The movements and activities of USFC *Fish Hawk*, USS *Cassius*, USS *Abarenda*, USS *Wilmington*, Spanish war prizes gunboats USS *Sandoval* and USS *Alvarado*, USS *Yosemite*, and a transfer of men from USRS *Franklin*.

USS *Essex* got underway down the Elizabeth River on January 3, 1899, passed the Cape Henry Lighthouse, and headed toward the Caribbean. On January 5 and 6, large floating patches of gulf weed were sighted, and large swells were encountered, with the ship rolling to 23 degrees. Until January 20, the ship experienced severe rolling up to 28 degrees.. On January 7 the crew held a sale of a deserter's effects, taking in $26.85. On January 23, *Essex* sighted Trinidad and anchored in the Port of Spain with the British Ensign at the fore, and fired a salute. The next day, visits were exchanged and the crew cleaned and blacked the ship's side. Until the end of January, the log chronicled crew exercises with the ship's cutters and dinghies and target practice; one Remington rifle was broken. The business of the port including the movements of English steamer *Savan*, French steamer *St. Laurent*, USS *Wilmington*, French and Dutch mail steamers, and American and Russian brigantines. On January 31, Essex left the port for target practice, using 4 inch and 6 pounder sub-calibers, and small arms, rifle, and revolver practice.

Weapons practice continued until February 3 and the next day, a diver from USS *Wilmington* plugged up the forward Kingston valve. British steamer *Persian Prince* entered the port the next day, and on January 6, *Wilmington* left the harbor and a French steamer came to anchor. On February 8, *Essex* steamed out of Port of Spain toward St. Vincent and the Grenadines; she anchored in Kingston, St. Vincent the following day and exchanged visits with the US Consul, Harbor Master, and HMS *Alert*. On February 12, the American yacht *Gitana* left port and the next day, British steamer *Saba* anchored. *Essex* got underway under steam and switched to sails once clear of the harbor on February 14. Two days later, *Essex* moored at St. Kitts, British West Indies, and for the next 10 days, the crew and apprentices conducted exercises. Essex half-masted her flag upon the news of the death of President Felix Faure of France on February 17. On February 22, the ship was dressed in rainbow fashion to celebrate Washington's Birthday; *Essex* fired a national salute that was returned by the shore battery. The log also chronicled the entries, exists, and movements of several ships including American yacht *Gitana*, American brig *Daisy Read*, received mail from SS *Madiana*, and the American whaling ship *Charles H. Hodgdon*[2]. USS Essex left St. Kitts on Februay 26 and anchored at St. Thomas, Danish West Indies, early the next day; she fired a salute with the Danish flag flying at the main. Pleasantries were exchanged

[2]The log of *Charles H. Hodgdon* that includes this date is archived at the New Bedford Whaling Museum.

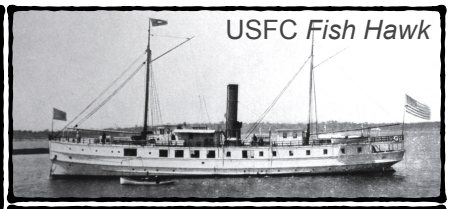
with officials, the crew and apprentices held exercises, and the German ship *Otto* of Bremerhaven anchored while the Royal Mail steamer *Solent* departed the port.

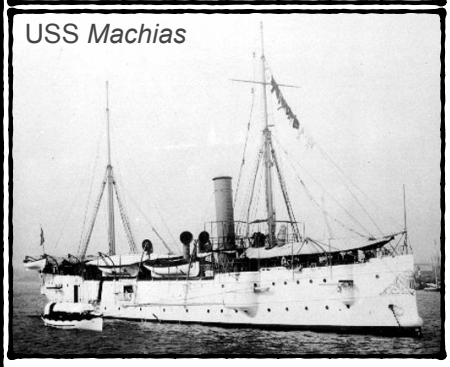
For the first 4 days of March, the busy port of St. Thomas was chronicled, with the activities of several vessels recorded including the Hamburg-America Line steamer *Markomannia*, American steamer *Gypsum King*, German steamer *Sesia*, Quebec Line steamer *Fontabelle*, French barque *Lante of Nantes*, and the French mail steamer *Manoubia*. On March 5, *Essex* up-anchored and headed toward San Juan, Puerto Rico; she picked up a pilot and moored there in the late afternoon. French steamer *Ville de Marseilles*, British steamer *Madeira*, gunboat/tug USS *Peoria*, transport *McPherson*, transport *Vasco*, American yacht *Alerdo* of Philadelphia, USS *Panther*, steamer *San Marcus*, *Gypsum King*, Spanish steamer *San Francisco*, German steamer *Venetia*, Spanish steamer *Berenguer el Grande*, Quebec Line steamer *Bretoria*, *Essex* left San Juan on March 11, and beginning the next day, the ship experienced large rolls up to 30 degrees until she moored in La Guaira Harbor in Venezuela on March 14. The Captain of the Port visited *Essex* and the next day, she fired a salute with the Venezuelan flag on her main that was returned by the French steamer *Labrador*. For the next 5 days, the log largely chronicled the busy harbor, including the movements of USS *Wilmington*, Dutch steamer *Prins Willem II*, Venezuelan gunboats *General Crespo* and *Mariscal*, German steamer *Canadia*, mail steamer *Caracas*, and the Spanish steamer *Rabat* of Barcelona. On March 20, *Essex* left La Guaira on steam and switched to sails outside the harbor - and the crew tossed 1,110 pounds of flour overboard because it was weevilly. For the next 8 days, the crew exercised at Company and Batallion drills, cleaned bilges, and exercised the apprentices in seamanship and other skills. On March 28, *Essex* anchored in Kingston Harbor, Jamaica, exchanged signals with USS *New York*, and fired salutes that were answered by the Port Royal Battery, HMS *Urgent*, the Commander in Chief of the US North Atlantic Squadron, and USS *New York*. Other ships documented in the log include USS *Brooklyn*, USS *Indiana*, USS *Texas*, USS *Marblehead*, USS *Detroit*, USS *Supply*, English steamer *Argentina*, USS *Newark*, and the British steamer *Beta*. On the last day of March, *Essex* half-masted her colors in accordance with Flagship USS *New York*, and she joined the US Squadron as the ships stood out of the harbor in column. The apprentices received instruction in sails, spars, rigging, and marlinspike seamanship, and fire and abandon ship drills.

Tags:
sloop-of-war USS *Essex*, USRS *Wabash*, USS *Machias*, USTS *Lancaster*, Fleet Tug USS *Piscataqua*, USLHT *Mayflower*, USC&GS *Bache*, USS *Buffalo*, USS Yosemite*,* tug *Wompatuck*, USS *Texas*, USFC *Fish Hawk*, USS *Cassius*, USS *Abarenda*, USS *Wilmington*, gunboat USS *Sandoval*, gunboat USS *Alvarado*, USS *Yosemite*, USRS *Franklin*, English steamer *Savan*, French steamer *St. Laurent*, British steamer *Persian Prince*, HMS *Alert*, American yacht *Gitana*, British steamer *Saba*, American brig *Daisy Read*, SS *Madiana*, American whaling ship *Charles H. Hodgdon*, German ship *Otto* of Bremerhaven, Royal Mail steamer *Solent*, Hamburg-America Line steamer *Markomannia*, American steamer *Gypsum King*, German steamer *Sesia*, Quebec Line steamer *Fontabelle*, French barque *Lante of Nantes*, French mail steamer *Manoubia*,

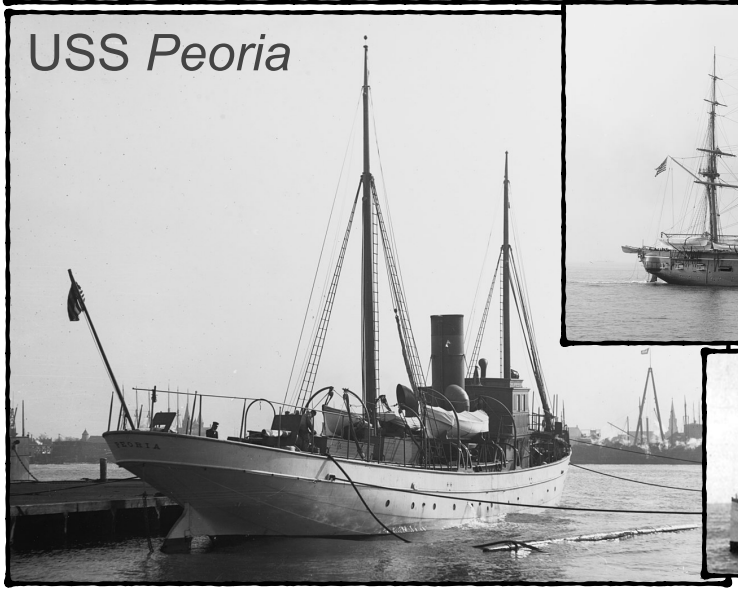
French steamer *Ville de Marseilles*, British steamer *Madeira*, gunboat/tug USS *Peoria*, transport *McPherson*, transport *Vasco*, American yacht *Alerdo* of Philadelphia, USS *Panther*, steamer *San Marcus*, *Gypsum King*, Spanish steamer *San Francisco*, German steamer *Venetia*, Spanish steamer *Berenguer el Grande*, Quebec Line steamer *Bretoria*, French steamer *Labrador*, Dutch steamer *Prins Willem II*, Venezuelan gunboat *General Crespo*, Venezuelan gunboat *Mariscal*, German steamer *Canadia*, mail steamer *Caracas*, Spanish steamer *Rabat* of Barcelona, Flagship USS *New York*, HMS *Urgent*, USS *Brooklyn*, USS *Indiana*, USS *Texas*, USS *Marblehead*, USS *Detroit*, USS *Supply*, English steamer *Argentina*, USS *Newark*, British steamer *Beta*, December 1898 Gale, Norfolk Navy Yard, Port Royal, Jamaica, Portsmouth Navy Yard, New Hampshire, St. Kitts, St. Thomas, British Virgin Islands, La Guaira, Venezuela, apprentice training, ship drills, ship maintenance, steam, sail, Donald McKay

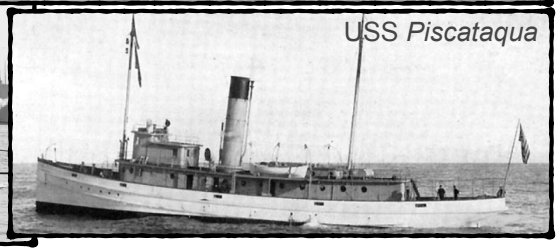

USS *Essex*


USFC *Fish Hawk*


USS *Machias*


USTS *Lancaster*


USS *Peoria*


USS *Piscataqua*

LOG BOOK

OF THE

U. S. S Essex

3d Rate,

of 12 Guns,

COMMANDED BY

Commander Frank Courtis, U. S. Navy,

Attached to U. S. Training Squadron,

Commencing September 29, 1899,

at Portsmouth N. H.,

and ending March 31st, 1899,

at Kingston Jamaica, B. W. I.

BUREAU OF EQUIPMENT
NAVY DEPARTMENT.
1895.

LIST OF OFFICERS

Attached to and on board of the U. S. S Essex 3d. Rate, commanded by Commander Frank Cuntis, U. S. N., during the period covered by this Log Book, from September 29, 1898 to , 18 .

NAME.		RANK.	NAME.	RANK.
Frank Cuntis	Aug 25 1898	Commander U.S.N.		
John E Pollen	Sept 7 1898	Lieutenant "		
E E Wright	Aug 20 1898	Lieutenant "		
Wm B Caswell	Oct 7 "	P.A Engineer "		
W. G Arminen	" 9 "	Asst Paymaster "		
Jas F Leys	" 9 "	P.A. Surgeon "		
H L Clarke	" 17 "	Pay Clerk "		
Albert Mertz	" 18 "	Lieutenant "		
Chas H Parke	" 19 "	Chaplain "		
H E Dimick	" 21 "	Lieutenant "		
W S Pierce	" 29	Ensign "		
Chas H Paly	" 31	Lieutenant J.G. "		
Ralph Earle	" 31	Ensign "		
C F Preble	Nov 10 98	Ensign "		
C F Leiper	Dec 21-98	Lieutenant "		
T T Leary	" 22 98	Lieutenant "		
K. W. Bennett	Jan 1 - 98	Ensign "		

Examined and found to be correct.

4–25

Navigator.

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S Essex 3d Rate
commanded by Commander Frank Coates, U. S. N., during the period covered by this
Log Book, from September 29, 1898, to , 18 .

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
John E Roller	Lieutenant U.S.N.	Detached Oct 18 1898 and ordered to U.S.S Lancaster
H.P. Dresel	Lieutenant "	" Nov 13, 1898 " " " Iowa
E.J. Bookwalter	Ensign "	" Dec. 14 1898 " " " Resolute
Albert Mertz	Lieutenant "	Transferred 21-1898 to U.S. Naval Hospital
W.B. Carswell	P.A. Engineer "	Detached Dec 31-98 Ordered Home

Examined and found to be correct.

4-205

Navigator.

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board of the U. S. S at first commissioning

18 .

NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.	NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.
1	Chief Boatswain's Mate,		1	Cabin Steward,	
			1	" Mess Att.	
3	Boatswain's Mate, 1st Class		1	Cabin Cook,	
	Seamen Gunners,		1	Ward-room Steward,	
			5	" " Mess Att.	
1	Chief Gunner's Mate,		1	Ward-room Cook,	
1	Gr. 1st Class				
1	" 2d "			Steerage Stewards,	
2	Gunner's Mates, 3d Cl.				
1	Chief Quartermaster,			Steerage Cooks,	
1	Qr. 1st Cl.				
1	Qr. 2d Cl.			Warrant Officer's Steward,	
1	Quartermasters, 3d Cl				
8	Coxswains,			Warrant Officer's Cook,	
8	Boatswain's Mate 2d Cl.				
	~~Captains of Forecastle,~~		7	Seamen,	
	~~Captains of Tops,~~			Ordinary Seamen,	
	~~Captains of Afterguard,~~		13	Landsmen,	
	Quarter-Gunners,		~~1~~ 10	Boys,	
1	Chief C. M.				
1	Carpenter's Mates, 3d Cl.		14	Apprentices,	
1	Ship wright.		1	Cl. Mach	
1	Sailmaker's Mates,		3	Machinists, 1st Cl	
	Armorer,		1	Boiler Makers,	
1	Captains of Hold,		1	Water Tenders,	
1	Sr. Cls 1st Cl				
1	" " 2d "		2	Oilers,	
1	Ship's Cook, 3d Cl				
3	" " 4th Cl.		4	First-class Firemen,	
	Ship's Corporals,				
	Lamp-lighter,			Second-class Firemen,	
	Carpenters and Calkers,		4	Coal Heavers,	
1	Asst. App. 1st Cl				
1	Boy. Wash. Apps.			TOTAL,	
1	Cl. Mate				
1	Mas 2d Cl				
1	Master-at-Arms, 3d Cl				
	Asst. Steward				
1	~~Apothecary,~~				
1	Ship's Yeoman,				
1	Paymaster's Yeoman,				
1	Commissary Yeo.				
	Engineer's Yeoman,				
	Schoolmaster,				
2	Do " 2d Cl				
1	Do " 3d Cl				
	~~Ship's Writer,~~			ADDITIONAL FOR FLAGSHIP.	
	Ship's Tailor,			Master of the Band,	
1	Ship's Barber,			Chief Musician,	
1	Painter,			First-class Musicians,	
1	Bugler,			Second-class Musicians,	
1	Jack of the Dust,			Printer,	
1	Blacksmith,			Steward to Commander-in-chief,	
				Cook to do.	
				Coxswain to do.	
				Seamen to do.	
				Ordinary Seamen to do.	
				Landsmen to do.	

Examined and found to be correct.

Navigator.

4-255

U. S. S

Description of Instruments used for Meteorological Observations, their Location, &c.

INSTRUMENT.	MAKER.	NUMBER.	LOCATION.	DATE OF LAST COMPARISON.	COMPARED WITH—	ERROR.
MERCURIAL BAROMETER.	Huddleston		Forward cabin, starboard side	Dec 14 1898	Standard Bar. Branch H.O. Norfolk Va	.13 too high
ANEROID BAROMETER.	H. P. B Jr.	22	Chart House	Dec 12, 1898	Standard Bar. Branch H.O. Norfolk Va	.16 too high
THERMOMETER, (Dry Bulb.)	Casella	54	Bigger mast spar deck			
THERMOMETER, (Wet Bulb.) (Psychrometer.)	Casella	54	Bigger mast spar deck			

Examined and found to be correct.

Navigator.

4-265

ARMAMENT

Of the U. S. S Essex 3d Rate.

PRIMARY.

NO. OF GUNS.	CAL.	MARK.	DESCRIPTION.	CARTRIDGE.		PROJECTILES.		CARRIAGES.	REMARKS.
				POWDER.	WEIGHT.	KIND.	WEIGHT.		
4	4"	VI	R.F.	Fixed ammunition			58 lbs	Ordinance pedestal	
2	4"	IV	R.F.				58 lbs	"	

SECONDARY.

4	6 pdr	II	Hotchkiss	Fixed ammunition			9.9 lbs	Cage stand
2	1 pdr	I	Hotchkiss				1.65	Cage stand
2	8 in	Extra mate						Tripod and Field carriage
1	3"	Field gun					15	Field carriage

BOAT ARMAMENT.

2 Cage stands with adapters for Colts automatic and 1 pdr. Hotchkiss

SMALL ARMS.

175 Lee rifle straight pull caliber 6 mm.
65 Revolvers Colts D.A. caliber 38

Examined and found to be correct.

4-205

Navigator.

TABLES of Deviation of the Standard Compass No. on board the U. S. S

DATE:						
PLACE OF OBSERVATION:						
LATITUDE:						
LONGITUDE:						
OBSERVED VARIATION:						
SHIP'S HEAD BY COMPASS.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.
NORTH.						
N. by E.						
N. N. E.						
N. E. by N.						
N. E.						
N. E. by E.						
E. N. E.						
E. by N.						
EAST.						
E. by S.						
E. S. E.						
S. E. by E.						
S. E.						
S. E. by S.						
S. S. E.						
S. by E.						
SOUTH.						
S. by W.						
S. S. W.						
S. W. by S.						
S. W.						
S. W. by W.						
W. S. W.						
W. by S.						
WEST.						
W. by N.						
W. N. W.						
N. W. by W.						
N. W.						
N. W. by N.						
N. N. W.						
N. by W.						

Examined and found to be correct.

Navigator.

4-285

LOG of the UNITED STATES Training Ship Essex. 3rd. Rate,

Alongside dock. Navy Yard. Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.				No meteorological instruments on board.													
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
Noon.																	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No meteorological instruments on board.														
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
Mid.																		

4—265

under the command of Commander Frank Courtis. , U. S. Navy,

Thursday September 29th. , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

At 11.30 A.M. the U.S. Training Ship Essex was placed in commission according to Regulation. Present Commander Frank Courtis U.S.N., Lieut. J. D. Adler U.S.N. and Lieut. E. E. Wright U.S.N. No crew. Commander Frank Courtis U.S.N. read the orders from the Navy Department ordering him to assume command of the Essex. Commander E. F. Strong U.S.N. formally turned over the ship to Commander Courtis. The following workmen from the yard at work on board U.S.P. 4 laborers cleaning bilges. 2 Shipwrights gun mounts 1 Painter varnishing furniture.

E. E. Wright
Lieut. U.S.N.

Examined and found to be correct.

E. E. Wright
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Along side dock at Navy Yard. Portsmouth N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				No meteorological instruments on board.													
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
Noon.																	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No meteorological instruments on board.														
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
Mid.																		

4—205

under the command of Commander Frank Courtis, U. S. Navy,

Friday September 30th., 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and pleasant. Light airs and breeze from the Sd & Wd. No meteorological instruments on board. Present for duty Comdr Frank. Courtis, U. S. Navy, Commanding; Lieut. John. E. Roller. U. S. Navy, Executive Officer; and Lieut. E. E. Wright U. S. Navy Navigating Officer. Eight (8) laborers at work on board cleaning bilge and Storeroom, one (1) Ship fitter and one (1) Shipwright.

E. E. Wright
Lt

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

4-385

LOG of the UNITED STATES Training Ship Essex. 3rd. Rate,

Along side dock. Navy Yard. Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.				No meteorological instruments on board.													
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
Noon.																	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No meteorological instruments on board.														
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
Mid.																		

4—955

under the command of Commander Frank Curtis., U. S. Navy,

Saturday October 1st, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and pleasant. Received the following men from U. S. P. S. Wabash. H. J. Briggs. C.M. a/A. P. McMullen Sea. F. Dwight. M. a/A 3 cl. P. Sullivan. Ch. Boy. Mate. J. Grady. Boy. Mate 2 cl. F. Smith. B.M. 2 cl, O. D. Johnson. Cook, P. Pickard. L. M 3 cl, E. Dunham Sea, A. V. Eller, Sea, J. Holm. Sea, G. Handley. Sea, J. Christmen. Sea, J. L. Harris. Sea, J. Londrigan. Sea, C. N. Gahn. Sea. P. Simms Sea, E. J. Silva. O. Sea, F. G. Ellway Appr 2 cl, P. Van Hall Lde, C. L. Bennett Lde, J. Dwyer. Lde, D. F. Phillips Lde, H. J. Lynch. Lde, C. J. Ahlberg. Lde, J. P. Nee, Lde, Geo. H. Case Lde, A. J. Mulhern. Lde, J. G. Dunlan. Lde, C. F. Coleman C. M, A. Rourke. Cksmith, J. N. Costain. Ck. Mach, C. J. Maxwell. Mach 1st cl, F. G. Rogers, A. T. J. O. Herman. Oiler, A. H. Morrison. Fir 1 cl, P. Gallagher. Fir 1 cl, J. O. Arlon. Fir 1 cl, F. S. Patty. Fir 1 cl, J. J. Dunlan. Fir 1 cl, C. J. Brown. Coal Passer, J. J. Maloney. Coal Passer, J. Ahearn. Coal Passer, F. L. Robbins. Coal Passr, E. Miller. Hoe Appr 1 cl, P. F. Bailey. Cab. Std, J. D. Brighton, A. P. Steed, J. Graham Mess Att, J. McCarthy. Mess Att, J. Robinson. Cab. Mess Att, C. H. Clark. Mess Att, J. Manning. Slop cook 1 cl. J. Gunter. Slop cook 2 cl, F. C. Newman. Slop cook 3 cl. Sent liberty party ashore. Following workmen from yard at work on board. C. P. 2 Sailmakers. 1 Painter, 1 shipwright gun mounts. 4 laborers cleaning ship

E. E. Wright
L. A. Miller

Examined and found to be correct.

E. E. Wright
Lt. Navigator.

6—660

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Alongside of dock at Navy Yard Portsmouth N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.				No mitrological instruments on board.													
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
Noon.																	

Position at 8 A. M.: Latitude by ° ′ ″ Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″ Longitude by observation ° ′ ″ Latitude by D. R. ° ′ ″ Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No mitrological instruments on board.													
1														b.e.	ci.s a.cus	4	
2														"	"	4	
3														cloudy	nim	0	
4														o.c.f.	fr.s	0	
5														"	"	0	
6														o.f	"	0	
7														"	"	0	
8														"	"	0	
9														"	"	0	
10														o.c.f.w.	"	0	
11														"	"	0	
Mid.														"	"	0	

under the command of Commander Frank Courtis., U. S. Navy,

Sunday. October. 2nd. ,1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Fair and cool. Hazy. At 10.30 A.M. church party attended divine service on the "Yantic". Had muster at 1.00 P.M. no unauthorized absentees. Foggy in the evening.

E E Wright
Lt

Examined and found to be correct.

E E Wright
Lt & Navigator.

4—285

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				No meteorological instruments on board.													
1														o.f.o.s.	f.s.c.	0	
2														b.f.e.w.	"	0	
3														"	"	0	
4														"	"	0	
5														"	"	0	
6														"	"	0	
7														"	"	0	
8														o.s.f.	"	0	
9														b.e.	a.s.w.	4	
10														"	"	7	
11														"	"	7	
Noon.														"	"	5	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No meteorological instruments on board.														
1														b.e.	a.s.w.	4		
2														"	"	4		
3														"	"	5		
4														"	"	5		
5														"	"	4		
6														"	"	4		
7														"	"	6		
8														"	a.s.w.	1		
9														"	"	1		
10														"	s.s.c.	2		
11														"	"	4		
Mid.														"	"	4		

under the command of Commander Frank Courtis., U. S. Navy,

Monday October 3rd., 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Fair and warm. At 9.00 A.M. held muster and found H. Bourke, Blacksmith, absent on leave. Sent working parties on shore and received on board stores in Equip and S.C. Wyte. Stockman from yard (Dept. of E.) engaged in caulking decks under gun mounts, painting berth deck and overhauling rudder yoke. At 11.10 A.M. started fire under stbd. fold boiler for testing feature and pipes. H. Bourke Blacksmith, returned on board and 4 hours overtime.

E. E. Wright
Lieut. U.S.N.

Examined and found to be correct.

E. E. Wright
Lt. & Navigator.

4-985

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				No meteorological instruments on board.										b.c.	ci.-s.	2	
1														"	ci.-s.	0	
2														"	ci.-s.	3	
3														"	"	4	
4														"	a.-cu.	3	
5														"	"	3	
6														"	"	4	
7														"	"	4	
8														"	"	4	
9														"	"	4	
10														"	"	6	
11														"	"	4	
Noon.														"	"		

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No meteorological instruments on board.													
1														b.c.	ci.-s.	2	
2														"	"	2	
3														"	"	2	
4														"	"	2	
5														"	"	2	
6														"	"	2	
7														"	"	2	
8														"	"	2	
9														"	"	2	
10														"	"	3	
11														"	"	3	
Mid.														"	"	2	

under the command of Commander Frank Courtis., U. S. Navy,

Tuesday October 4th., 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Fair and hot. At 900 AM. held muster. No absentees. Workmen from the yard, in E. E. Dept. working on low pressure piston rods. Fired steam in S.C. Steam in Starb'd forward boiler. Men in 6" P. working on gun mounts.

E E Wright
Lieut USN

Examined and found to be correct.

E E Wright
Lt & Navigator.

4—203

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				No metrological instruments on board													
1														b. m.	nm	0	
2														b. N.	"	0	
3														"	"	0	
4														"	"	0	
5														"	"	0	
6														b. c.	"	0	
7														"	"	0	
8														b. N.	"	0	
9														"	"	0	
10														"	"	0	
11														"	"	0	
Noon.														"	"	0	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
				No metrological instruments on board.													
1														b. N.	nms	0	
2														"	"	0	
3														"	"	0	
4														"	"	0	
5														"	"	0	
6														"	"	0	
7														"	"	0	
8														"	"	0	
9														b. N.	"	0	
10														b. c.	c. W. N.	8	
11														b.	nom.	10	
Mid.														"	"	10	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, October 5th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast with heavy rain, clearing with bright moonlight after 9.00 P.M. Had muster at 9.00 A.M. no absentees. Min from Const. Dept. at work caulking deck under gun mounts, on rudder yoke, sky lights etc. - and in S.C. lagging Thrstr and capstan engine pipes at both deck. Steam on Stbd Donkey boiler for heating ships. Cleaning out water tanks in fore hold preparatory to distilling.

E E Wright
Asst Engr

Examined and found to be correct.

E E Wright
Lt & Engineer.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Alongside of dock at Navy Yard Portsmouth N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				No metrological instruments on board													
1														b.	none.	10	
2														b. c.	cirr.	8	
3														b.	none.	10	
4														"	"	10	
5														b. c.	cirr.	8	
6														l.	"	8	
7														"	"	9	
8														"	"	9	
9														b.	none.	10	
10														"	"	10	
11														"	"	10	
Noon.														"	"	10	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No metrological instruments on board.													
1														b. c.	none	10	
2														"	"	10	
3														"	"	10	
4														"	"	10	
5														"	"	10	
6														"	"	10	
7														"	"	10	
8														"	"	10	
9														b.	"	10	
10														"	"	10	
11														"	"	10	
Mid.														"	"	10	

under the command of Commander Frank Courtis , U. S. Navy,

Thursday October 6th , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and cool. At 9.00 A.M. held muster, no absentees. Workmen in S.C. and Ex. Dept. at work on board. on piston rod and over hauling condensers, Working on gun mounts. Rec'd stores in Ex. and Equip't. and S.C. Steam on Stbd. foi'd boiler. At 7.30 AM started distilling. The following men were relieved from the U.S.S. Dabash Boston Mass.; Chas. Fribeg Cox, N. Lindquist Cox, John Fitzgerald Cox, John Nivin. Q.M. 3cl, Chas. E. Mitchell Yds, Jos. Doeur Yds, Geo. F. Bateman Yds, Thos. Dunn, Mess Att. Edw. Hamblr. B.M. 1cl. Matthew Doran B.M. 2d, Andrew Hendrickson Cox, D. P. Sturtevant Ck. Geo. Fred M. Lyon Q.M. 1st cl. H. O. Thorne. Mess Att. John Davies Boilermaker, J. H. Fisher Ck. G.M.

E. E. Wright
Lieut

Examined and found to be correct.

E. E. Wright
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth N.H.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				No compass or wet bulbs on board.										b	none	10	
2														"	"	10	
3														"	"	10	
4														"	"	10	
5														"	"	10	
6														"	"	10	
7														"	ci	10	
8														b. c.	"	8	
9														"	"	8	
10														"	"	7	
11														"	"	8	
Noon.														"	"	8	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No compass or wet bulbs on board.													
1														b. c.	cus	8	
2														"	"	8	
3														"	"	8	
4									30	46	64			"	ci. cus	8	
5									30	44	62.			"	"	4	
6									30	45	62			"	"	2	
7									30	50	62			"	"	2	
8									30	50	61			ck.	nim	0	
9									30	48	60			"	"	0	
10									30	46	60			"	"	0	
11									30	46	60			"	"	0	
Mid.									30	45	60			"	"	0	

4—955

under the command of Commander Frank Courtis. , U. S. Navy,

Friday October 7th , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear cool and pleasant, cloudy towards evening. Had muster at 9.00 AM, no absentees. Workmen from Construction Dept engaged on rudder, bridge gun mounts, and scuppers. P. Asst. Engineer A. P. Carswell, U.S.N. reported on board for duty. Rec'd on board various stores in Equipt and Steam Eng Dept's. At 1.00 P.M commenced coaling ship, took on board during P.M. working hours 35 tons coal. At 5.30 P.M. U.S.S. Machias came in and went along side of dock.

E Ellicott
Lieut USN

Examined and found to be correct.

E Ellicott
Lt & Navigator.

4—925

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				No compass or wet bulbs on board.					30.42	60				o. N.	nim.	0	
2									30.40	60				"	"	0	
3									30.43	59				"	"	0	
4									30.43	59				"	"	0	
5									30.43	58				o.e.N.	"	0	
6									30.43	56				o. e. d.	"	0	
7									30.39	55				"	"	0	
8									30.37	55				o.e.m.	"	0	
9									30.35	56				o. e.	"	0	
10									30.33	58				"	"	0	
11									30.30	59				"	"	0	
Noon.									30.25	60				"	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1				No compass or wet bulbs on board.													
2									30.22	60				o.e.d.	nim.	0	
3									30.20	61				o.e.	"	0	
4									30.17	61				"	"	0	
5									30.14	61				"	"	0	
6									30.12	62				b.e.	s.c.m.	3	
7									30.10	63				"	"	3	
8									30.10	63				b.	nim.	10	
9									30.11	62				"	"	10	
10									30.13	60				"	"	10	
11									30.15	60				b.w.	"	10	
Mid.									30.15	60				"	"	10	
									30.15	60				"	"	10	

under the command of Commander Frank Courtis , U. S. Navy,

Saturday October 8th , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast and raining during forenoon, then cloudy during remainder of day. U. S. S. Machias saluted flag of Commodore Perry with 11 guns, which salute was returned with 7 guns. Workmen in C & P. working on gun mounts. Ordinance mounting 4" gun. Equip't fitting curtains in wardroom and cabin. Recd. stores in L. Equip't and Navigation

E. E. Wright
Lt

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

4—925

LOG of the UNITED STATES Training Ship. Essex 3rd. Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				No compass or wet bulbs on board.					30.15	58				b. w.	nmr	10	
2									30.15	57				"	"	10	
3									30.15	56				"	"	10	
4									30.15	55				"	"	10	
5									30.15	55				b.	"	10	
6									30.15	54				"	"	10	
7									30.19	54				"	"	10	
8									30.21	59				"	"	10	
9									30.36	61				"	"	10	
10									30.34	63				"	"	10	
11									30.34	68				b. c.	ci. cu.	9	
Noon.									30.33	67				"	f. cu.	8	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1				No compass or wet bulbs on board.					30.33	72				b. c.	f. cu.	5	
2									30.35	76				"	"	5	
3									30.36	78				"	"	4	
4									30.39	77				"	"	5	
5									30.41	66				"	"	6	
6									30.41	64				"	"	6	
7									30.42	63				b.	nmr	10	
8									30.43	61				"	"	10	
9									30.50	60				"	"	10	
10									30.53	58				"	"	10	
11									30.56	55				"	"	10	
Mid.									30.58	53				"	"	10	

under the command of Commander Frank Wurtle, U. S. Navy,

Sunday October 9th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear cool and pleasant. Bar. rising. At 9.00 AM. held muster, no absentees. At 10.30 AM, sent church party to attend divine service on the Lancaster. P. Asst. Surgeon James F. Boyd. U. S. N. and Asst. Paymaster Ubysses G. Ammon, U. S. N. reported on board.

E E Wright
Lt

Examined and found to be correct.

E E Wright
Lt Navigator.

4—269

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Along side of dock at Navy Yard Portsmouth N.H.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				No compass on board					30.61	52				b	none	10	
2									30.62	51				"	"	10	
3									30.64	50				"	"	10	
4									30.64	49				"	"	10	
5									30.64	48				"	"	10	
6									30.68	46				"	"	10	
7									30.72	47				b.c.	ci.s.	9	
8									30.73	51				b	none	10	
9									30.73	52				"	"	10	
10									30.73	55	51	48		b.c.	fr.cu	8	
11									30.71	54	49	47		"	"	8	
Noon.									30.70	56	50	47		"	"	8	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.				No compass on board.					30.69	57	50	47		b.c.	fr.cu	9	
1									30.68	58	51	48		"	"	9	
2									30.67	58	51	48		b	none	10	
3									30.66	61	51	48		"	"	10	
4									30.66	60	50	47		b.c.	ci.s.	9	
5									30.63	57	49	47		"	"	8	
6									30.62	55	49	47		"	s	9	
7									30.62	54	50	48		"	"	9	
8									30.62	54	50	48		"	"	9	
9									30.62	54	49	48		"	"	9	
10									30.62	53	49	47		"	"	9	
11									30.60	54	48	49		"	"	9	
Mid.																	

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, October 10th , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and cool. At 9.00 A.M. held muster. Receiving stores in Equipt and Navigation. Workmen in O & P. working on gun mounts, in Equipt fitting curtains. Ordnance mounting secondary battery. Crew reeving off running rigging.

E E Wright
L Q Ellis

Examined and found to be correct.

E E Wright
Lt & Navigator.

4—269

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth, N. H.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clods' Sky, in 10ths.	State of the Sea.
A. M.				No compass on board													
1									30.59	54	48	47		b.	nmbs	10	
2									30.56	53	48	47		b.c.	"	8	
3									30.54	53	48	47		"	w.N.	8	
4									30.53	53	49	48		n.e.	n.ew.	0	
5									30.50	54	51	50		b.c.	"	2	
6									30.47	54	53	52		n.e.	"	0	
7									30.45	55	54	53		"	"	0	
8									30.43	56	54	53		n.e.m.	"	0	
9									30.43	60	55	54		b.c.	"	2	
10									30.43	62	61	59		"	"	2	
11									30.39	64	65	62		"	"	1	
Noon.									30.37	64	65	63		"	"	1	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
				No compass on board.													
1									30.33	69	69	68		O.c.q.	nim.	0	
2									30.25	69	66	65		"	"	0	
3									30.23	69	66	68		b.c.	cu.	4	
4									30.22	71	66	68		"	"	4	
5									30.19	70	63	62		"	"	9	
6									30.16	68	62	61		"	"	9	
7									30.13	66	61	60		b.	nmbs	10	
8									30.10	65	61	60		"	"	10	
9									30.08	64	60	59		"	"	10	
10									30.07	64	60	59		b.c.	scus	8	
11									30.04	63	60	59		n.e.	a.s.	0	
Mid.									30.03	63	60	59		"	"	5	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday October 11th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Cloudy thru clearing. Workmen on U.P. working on launches cradle and painting. Ordinance mounting guns. Main battery. Equipt. rigging and fitting curtains. Drew engagers in relieving officers. Running rigging. Receiving stores in Navigation & Equipt. At 9.00 AM held Muster. J.N. Costain. Chief Machinist absent on leave, returned 24 hours leave time. The following named men were discharged from the U.S. Naval Service by order of Bureau of Navigation at their own request. O.F. Phillips. Fdr. C.G. Pimbitt. Fdr. H.G. Fynch. Fdr. J.L. Haines. Sea. John Londrigan. Sea. Fred. Tupe. Marooga. U.P.C. from U.S. Tug Pinctagua and L.M. Kelly. O.M. 2cl.

E E Wright
Lt

Examined and found to be correct.

E E Wright
Lt Navigator.

LOG of the UNITED STATES Training Ship. Essex. 3rd. Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea
A. M.																
1				No compass on board					30.01	63	61	60	b.	mm.	0	
2									29.98	65	62	61	"	"	0	
3									29.98	65	62	61	b. N.	"	0	
4									29.98	66	60	59	"	"	0	
5									29.95	64	59	58	"	"	0	
6									29.94	63	58	58	b.e.	cum.	1	
7									29.95	62	58	58	o.e.d.	mm.	0	
8									29.97	63	58	58	"	"	0	
9									29.95	65	60	60	b.e.	"	1	
10									29.93	65	61	61	o.e.d.	"	0	
11									29.94	66	63	62	b.e.	few	3	
Noon.									29.92	70	65	62	"	few	6	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No compass on board.												
1									29.90	66	69	64	b.e.	cir.cum.	5	
2									29.90	66	69	64	"	"	5	
3									29.90	65	67	62	"	"	4	
4									29.92	64	63	59	"	"	4	
5									29.95	69	64	58	"	cu.	4	
6									29.96	67	58	57	"	s.	8	
7									29.98	66	57	58	"	"	8	
8									29.99	64	55	54	"	"	8	
9									30.03	61	54	52	b	non	10	
10									30.03	59	53	50	"	"	10	
11									30.05	59	51	49	"	"	10	
Mid.									30.06	58	50	48	"	"	10	

4—255

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday October 12th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast and threatening with drizzling rain during the forenoon, clearing up in the afternoon. Held Muster at 9.00 A.M. - no absentees. Men from Construction Dept. at work securing gun mounts, painting overhead on gun deck, joiner work in Cabin and on both decks and fitting steam launches cradles. Men from Ordinance hoisting gun mounts on board. Crew engaged in stowing on board, from the General Store Keepers, stores pertaining to the O & P, Equip and Equip Nav. Depts. of this vessel. Engaged in swinging ship. At 6.55 am Piscataqua left the harbor returning at 10.55 am. Thos. Perry P.M. 1cl. reported on board for duty from the U.S.S. Yabacoa.

E E Mugler
Lt

Examined and found to be correct.

E E Mugler
Lt Navigator.

4-220

LOG of the UNITED STATES Training Ship Constellation 3rd Rate,

Along side of dock at Navy Yard Portsmouth N. H.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				No compass on board					30.07	58	50	48		b	none	10	
2									30.08	58	48	46		"	"	10	
3									30.09	59	45	44		"	"	10	
4									30.09	59	44	43		"	"	10	
5									30.12	57	49	48		"	"	10	
6									30.14	54	48	47		"	"	10	
7									30.18	57	51	49		"	"	10	
8									30.19	59	49	47		"	"	10	
9									30.23	61	52	49		"	"	10	
10									30.25	69	55	51		"	"	10	
11									30.26	71	54	51		"	"	10	
Noon.									30.25	69	54	51		"	"	10	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1				No compass on board.					30.27	72	54	51		b.c.	cu.	9	
2									30.27	73	55	52		"	"	9	
3									30.25	74	56	53		"	"	9	
4									30.26	73	56	54		b.	none	10	
5									30.27	66	52	50		"	"	10	
6									30.27	62	51	49		"	"	10	
7									30.28	63	49	48		"	"	10	
8									30.28	62	49	48		"	"	10	
9									30.30	61	49	48		"	"	10	
10									30.30	59	46	45		"	"	10	
11									30.30	56	46	45		"	"	10	
Mid.									30.31	55	45	43		"	"	10	

4—265

under the command of Commander Frank Courtis, U. S. Navy,

Thursday October 13th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear & pleasant. Workmen in D & P. at work on gun mounts and chamber cradle. Ordinance getting gun mounts in place. Received stores in Navigation and Equip. Rec'd three chronometers and cases from Naval Observatory and one without case from Navy Yard Boston. The Assistant Secretary of the Navy visited the Navy Yard officially and was received with the customary honors. At 1.00 P.M. held muster. No absentees.

E E Wright
L Judd

Examined and found to be correct.

E E Wright
Navigator.

4—880

LOG of the UNITED STATES Training Ship Essex. 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				No compass on board.					30.31	56	43	43		b.c.w.	s.	4	
1									30.31	56	44	44		"	"	6	
2									30.30	55	43	43		"	"	5	
3									30.30	54	43	43		"	"	7	
4									30.32	54	44	44		"	"	6	
5									30.32	54	45	44		b.c.	"	6	
6									30.34	54	45	45		"	ci.cu.	6	
7									30.36	55	49	47		"	"	6	
8									30.37	60	49	47		"	s.c.m.	1	
9									30.35	60	49	47		"	"	1	
10									30.34	63	54	53		"	"	4	
11									30.33	65	59	53		"	"	4	
Noon.																	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No compass on board													
1									30.31	68	55	52		b.c.	c.m.	4	
2									30.31	67	54	51		"	"	3	
3									30.28	62	53	50		"	s.c.m.	1	
4									30.27	59	52	50		"	"	1	
5									30.26	58	52	50		o.c.	"	0	
6									30.25	59	51	50		"	"	0	
7									30.22	59	51	49		o.c.w	"	0	
8									30.21	58	51	49		"	"	0	
9									30.20	57	51	49		"	"	0	
10									30.18	56	50	49		o.N.	mm	0	
11									30.12	56	50	49		"	"	0	
Mid.									30.08	56	50	49		"	"	0	

under the command of Commander Frank Coates, U. S. Navy,

Friday October 14th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Cloudy. Workmen in 6 & P. at work on gun mounts. Ordnance getting gun mounts on board and cleaning guns. Received stores in Ordnance and Equipt. At 1.00 P.M. held muster, no absentees.

E E Wright
Lieut.

Examined and found to be correct.

E E Wright
Lieut. Navigator.

4—202

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				No compass on board.													
1									30.01	55	50	49		o. c. c.	nim	0	
2									29.96	53	49	48		"	"	0	
3									29.90	52	49	48		"	"	0	
4									29.88	52	48	48		"	"	0	
5									29.82	52	51	51		"	fr. n	0	
6									29.85	54	50	50		"	n	0	
7									29.84	56	49	49		o. e. d.	"	0	
8									29.83	56	49	49		b. e.	fr. n.	2	
9									29.83	56	50	49		o. e. d.	nim	0	
10									29.83	58	50	49		"	"	0	
11									29.82	57	50	49		"	"	0	
Noon.									29.82	57	50	50		"	"	0	

Position at 8 A. M.: Latitude by ° ' "

Longitude by ° ' "

Position at noon: Latitude by observation ° ' "

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
	No compass on board.																
1									29.80	58	53	52		o	nim	0	
2									29.81	61	52	49		"	"	0	
3									29.81	60	52	49		"	"	0	
4									29.81	60	52	49					
5									29.85	58	49	47		b. e.	cu.	1	
6									29.87	54	47	45		"	"	2	
7									29.87	51	46	44		"	c. cu.	3	
8									29.87	49	45	43		"	"	8	
9									29.89	47	43	41		"	"	7	
10									29.89	46	42	40		"	"	7	
11									29.89	45	41	39		"	"	6	
Mid.									29.90	45	41	39		"	"	5	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday October 15th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Cloudy and threating with drizzling rain during forenoon clearing latter part. Barometer generally steady and below normal. Workmen from Co. P. securing gun mounts, painting gun deck and putting up hooks etc. in officers quarters. Ordinance laborers getting gun mounts on board. By order of Bur. Nav. discharged P. A. Leighton (A. B. Std.) from this ship and the Naval Service by reason of his own request. A. A. Strothson (A. B. 6) reported on board for duty. Crew engaged in variously employed.

E. E. Vaught
Lt

Examined and found to be correct.

E. E. Vaught
Lt Navigator.

4-888

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Along side of dock at Navy Yard Portsmouth. N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Head.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				No compass on board.													
1									29.91	46	42	40		b.c.	s.c.m	7	
2									29.92	48	42	40		"	"	7	
3									29.95	49	42	40		o.c.	"	0	
4									29.98	51	43	40		"	"	0	
5									30.01	52	43	40		b.c.	a.d.	3	
6									30.03	51	41	39		"	f.c.m	6	
7									30.06	47	42	40		"	"	4	
8									30.08	49	43	41		"	s.c.m	3	
9									30.10	52	46	43		"	"	3	
10									30.12	53	47	44		"	f.c.s.	7	
11									30.13	56	48	45		"	"	7	
Noon.									30.14	56	49	46		"	"	8	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
				No compass on board.													
1									30.16	58	50	46		b.c.	f.c.m	8	
2									30.19	60	50	46		"	"	7	
3									30.22	61	50	46		"	"	7	
4									30.25	61	50	46		"	"	7	
5									30.28	60	47	44		"	s.c.m	8	
6									30.32	57	48	45		"	"	8	
7									30.32	56	45	44		b	now	10	
8									30.32	54	43	42		"	"	10	
9									30.34	52	42	41		"	"	10	
10									30.35	51	42	41		"	"	10	
11									30.36	50	41	40		"	"	10	
Mid.									30.37	50	40	39		"	"	10	

4—265

under the command of Commander Frank Courtis, U. S. Navy,

Sunday October 16th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and cool. At 1.00 P.M. held muster. no adventure.

E E Wright
Lt

Examined and found to be correct.

E E Wright
Lt (Navigator.)

4—20

LOG of the UNITED STATES Training Ship. Essex Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.				No compass on board													
1									30.39	51	39	37		b.	mone	10	
2									30.39	51	39	37		"	"	10	
3									30.39	51	38	37		"	"	10	
4									30.40	50	37	36		"	"	10	
5									30.42	49	36	35		"	"	10	
6									30.43	48	36	35		"	"	10	
7									30.45	46	37	36		"	"	10	
8									30.50	49	42	40		"	"	10	
9									30.51	55	45	43		b.c.	cirro.	9	
10									30.52	57	46	43		"	"	9	
11									30.53	62	48	45		"	"	9	
Noon.									30.51	61	49	46		"	fr.cu	9	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.				No compass on board.														
1									30.49	62	52	47		b.c.	fr.cu	9		
2									30.50	66	53	49		"	"	9		
3									30.51	69	53	48		"	"	9		
4									30.53	71	51	46		"	cu	9		
5									30.53	66	47	45		"	"	7		
6									30.56	61	45	42		"	"	8		
7									30.58	59	41	39		b.	mone	10		
8									30.59	59	41	39		"	"	10		
9									30.59	55	40	38		"	"	10		
10									30.59	52	39	37		"	"	10		
11									30.59	50	38	36		"	"	10		
Mid.									30.59	51	37	35		"	"	10		

under the command of Commander Frank Courtis, U. S. Navy,

Monday, October 17th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear cool and pleasant. Barometer rising steadily. At 9.40 AM commenced dock trial of main engines which lasted until 11.10 AM, machinery working satisfactorily though needing a little packing in glands. Tested capstan engine which developed considerable lost motion. At 1.00 PM. commenced distilling. Held muster; no absentees. The U.S.S. Mackinaw came out of dry dock and moored alongside of coal dock. Construction force at work securing gun mounts, painting spars aloft, and on other work on board ship. Ordinance laborers getting 4" guns on board. Crew engaged in bringing down Equip. and Ordinance stores. Took on board wet provisions and stowed them in fore hold. Paymaster's Clerk, F. S. Clark, U.S.N. reported on board for duty. Medical stores received on board.

E. E. Wright
A. Fell

Examined and found to be correct.

E. E. Wright
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Along side of dock at Navy Yard Portsmouth N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in tenths.	State of the Sea.
A. M.																
1				Alongside of dock heading	N½E.				30.59	48	36	35	b.c.	ci	9	
2									30.58	48	35	34	"	"	9	
3									30.58	47	35	34	"	"	9	
4									30.58	46	34	34	"	"	9	
5									30.59	44	35	35	"	"	8	
6									30.60	44	36	36	"	"	8	
7									30.62	44	36	36	"	s.c.ci	4	
8									30.64	44	35	35	"	"	2	
9									30.66	48	39	40	"	"	2	
10					N.E.	3			30.66	51	49	47	"	ci.	8	
11					"	2			30.65	54	44	42	"	"	8	
Noon.						4			30.61	54	44	43	"	"	8	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																
1				Alongside of dock					30.61	57	43	41	b.c.	ci.cu.	7	
2					E.N.E.	3			30.59	57	44	42	"	"	4	
3					E by N.	3			30.60	57	45	43	"	"	3	
4					" " "	2			30.59	55	44	41	"	s.ci.	3	
5					" " "	2										
6					E.S.E.	1			30.61	53	43	41	"	"	6	
7					East	1			30.62	52	42	41	"	"	8	
8					"	1			30.63	51	42	41	"	"	8	
9					"	1			30.63	50	41	40	"	"	8	
10					"	1			30.63	50	41	40	"	"	8	
11					"	1			30.62	50	42	41	"	"	8	
Mid.					"	2			30.63	50	44	43	"	"	1	
					"	2			30.62	50	44	43	"	"	0	

4—285

under the command of Commander Frank Coontis, U. S. Navy,

Tuesday October 18th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and cool. Light to stiff breeze from N. C. to E. N. E. At 1.00 P.M. held muster no absentees. Lieut A. Mertz U. S. N. reported for duty as Executive Officer of this vessel, as the relief of Lieut. J. E. Roller U. S. N. who was this day detached Workmen on C & P. working on gun mounts Ordnance mounting guns. Receiving stores in Engineer and Navigation and Supplies and Accounts.

E. E. Wright
Lt

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth N. H.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in tenths.	State of the Sea.
A. M.																
1	Alongside of dock.				East.	2			30.62	50	44	43	b.c.	s	2	
2					"				30.62	50	43	41	"	"	2	
3					"	2			30.59	51	44	43	"	"	3	
4					"	2			30.58	52	46	44	"	"	5	
5					"	3			30.58	52	46	45	o. c.	s. cu.	0	
6					E. S. E.	3			30.58	52	46	45	"	"	0	
7					"	3			30.58	52	47	46	"	"	0	
8					"	2.3			30.57	51	48	47	"	"	0	
9					East.	3			30.56	52	50	48	"	"	0	
10					"	2.3			30.54	52	50	49	"	"	0	
11					"	2.3			30.52	52	50	49	"	"	0	
Noon.					"	2.3			30.50	53	50	49	"	"	0	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																
1	Alongside of dock			East.	2		30.50	53	52	56	Ono.	min.	0	
2				"	3		30.46	53	51	52	s.w.	"	0	
3				"	3.5		30.46	52	50	51	"	"	0	
4				"	2.4		30.43	52	50	51	"	"	0	
5				E. by N.	3.4		30.40	51	50	49	"	"	0	
6				"	3		30.39	52	50	49	"	"	0	
7				"	3		30.36	52	51	51	"	"	0	
8				"	3.		30.35	52	51	51	"	"	0	
9				"	2.3		30.35	55	52	52	"	"	0	
10				"	2.3		30.33	56	52	52	"	"	0	
11				S. E.	2.3		30.31	59	53	53	"	"	0	
Mid.				"	2.3		30.29	59	53	53	"	"	0	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday October 19th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

First cloudy. then to close overcast with continuous rain from 1.00 PM. Light to moderate breeze from. E by N. to S. E. Chaplain C. H. Parke U. S. N. reported on board for duty. Construction and ordnance depts. from yard at work on board. Mounting guns, painting on spar deck &c. Receiving paymasters stores. Sent Liberty party at 5.00 P.M.

J. Mertz
Lieut. U. S. N.

Examined and found to be correct.

E. Ellicott
Lt. & Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex. 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				Along side of dock.	N. E.	2.			30.29	60	53	53		s.v.	mm	0	
2				"	"	2			30.29	60	52	52		"	"	0	
3				"	N. N.	3			30.29	59	52	51		b.c.	"	0	
4				"	"	2			30.29	57	45	44		"	"	0	
5				"	"	1			30.30	53	47	47		b.c.	f.v.	8	
6				"	N. N. W.	2			30.30	52	46	46		"	ch.	3	
7				"	"	2			30.31	52	47	47		"	"	5	
8				"	"	1			30.35	54	49	49		"	c.m.	8	
9				"	N. W.	2			30.35	63	54	53		"	f.c.m.	9	
10				"	"	2			30.37	68	56	54		"	" "	9	
11				"	South.	2			30.39	71	58	56		"	" "	8	
Noon.				"	N. W.	1			30.38	69	60	58		"	f.c.i.s.	7	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1				Along side of dock.	N. N.	1			30.38	72	62	60		b.c.	f.c.m.	7	
2				"	"	1			30.39	76	66	64		"	"	8	
3				"	"	1			30.39	79	64	61		"	"	8	
4				"	"	1			30.39	72	61	59		"	"	9	
5				"	"	1			30.40	67	58	57		"	"	9	
6				"	"	1			30.43	60	58	57		"	c.i.	9	
7				"	N. E.	1			30.42	59	51	50		b.	none	10	
8				"	"	1			30.43	56	49	48		"	"	10	
9				"	Calm.	0			30.45	54	48	48		b.c.m.	s	8	
10				"	"	0			30.46	53	48	48		"	s.cu.	5	
11				"	"	0			30.47	53	48	48		"	s.	9	
Mid.				"	"	0			30.47	52	47	47		"	"	8	

4—265

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, October 20th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and pleasant. Calm and light breze from N.E. to N.W. Par. ising. Workmen on C.P. at work on gun mounts and painting. Ordinance mounting guns. Receiving stores in Navigation, Equipment and Ordinance. Lieut. N.E. Irwin. Cad N. reported for duty on board this vessel. Pred P.D. Brighton. A.P.S. from. U.S.S. Vermont. Started distilling at 12.30 P.M.

E E Wright
Lt

Examined and found to be correct.

E E Wright
Lt & Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1	Along side of dock				E. by N.	2			30.47	53	50	49		b.c.w.	s	7	
2					" " "	2			30.48	54	50	49		"	"	7	
3					" " "	2			30.49	56	51	50		"	"	6	
4					" " "	2			30.49	57	52	50		"	"	5	
5					N.E.	1			30.48	55	48	47		"	"	5	
6					"	1			30.48	53	48	47		b.m.f.	nm	0	
7					N. by E.	1			30.49	51	48	47		"	"	0	
8					" " "	1			30.50	54	46	47		b	"	0	
9					N.E.	2			30.55	57	50	49		b.c.	as	0	
10					E.N.E.	1			30.55	60	50	50		"	"	0	
11					" " "	1			30.54	62	50	50		"	"	0	
Noon.					" " "	2			30.52	64	52	51		b.c.r.	nm	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1	Along side of dock.				East.	3			30.50	60	52	51		o.c.f.d.	s.cu.s.	0	
2					"	2			30.49	59	51	51		o.c.d.	"	0	
3					"	2			30.47	58	52	51		"	"	0	
4					"	2			30.45	58	51	51		"	"	0	
5					"	2			30.44	57	50	50		"	"	0	
6					"	2			30.44	56	50	50		"	"	0	
7					"	2			30.42	54	50	50		"	"	0	
8					"	2			30.41	54	50	50		"	"	0	
9					"	2.3			30.47	54	51	51		"	"	0	
10					"	2			30.35	53	51	51		"	"	0	
11					"	3			30.31	53	51	51		"	"	0	
Mid.					"	3.4			30.29	53	51	51		o.g.r.	n.	0	

under the command of Commandr. Frank. Courtis., U. S. Navy,

Friday. Oct 21. 98., 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Cloudy. Misty ending in drizzling rain. Falling barometer, light to moderate breezes from East. Blacksmith in Construction and Ordnance at work on board, finished mounting guns. Receiving stores in Pay Department and Equipment. Dyst. J. Connaughton, 1st cl. F. reported on board from Abarenda. Chaplain C. N. Parke left at 9.45 AM. for 7 days leave of absence. M. Anderson BM 2cl. reported on board from the U.S.S. Mayflower.

H. G. Bruce Lieut USN

Examined and found to be correct,

E. E. Wuckel
Lt & Navigator.

4—285

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1	Along side of dock				East.	3			30.25	53	51	51		o. N.	n	0	
2					E. N. E	4.5			30.16	53	51	51		"	"	0	
3					" " "	4.			30.09	53	52	52		"	"	0	
4					" " "	3.4			30.04	54	53	53		"	"	0	
5					" " "	4.			29.99	54	53	53		"	"	0	
6					" " "	4.			29.94	54	54	54		"	"	0	
7					" " "	4			29.90	56	55	55		"	"	0	
8					S.E.	3.4			29.87	58	56	57		"	"	0	
9					S. by. E.	3.4			29.85	60	59	58		"	"	0	
10					" " "	3			29.83	62	59	58		"	"	0	
11					" " "	2			29.81	65	59	59		o. N.	"	0	
Noon.					" " "				29.77	66	59	59		o. N.	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1	Along side of dock.				S.S.E.	2.			29.75	65	59	59		o.c. m	n	0	
2					" " "	2.			29.73	65	59	59		"	"	0	
3					" " "	2.			29.73	65	60	60		"	"	0	
4					" " "	2			29.71	65	60	60		"	"	0	
5					South.	2.			29.68	64	59	59		"	p. s.	0	
6					S.S.W.	2.			29.69	66	61	61		"	"	0	
7					" " "	1			29.69	67	61	61		b.c.	p.s.a.cu	2	
8					South.	1			29.69	67	60	60		a.f.w.	s.	0	
9					S.W.	1			29.69	68	59	60		"	"	0	
10					"	1			29.69	67	61	61		b.c.	"	2	
11					West.	3.5			29.71	67	61	61		"	"	1	
Mid.					"	4.6			29.73	65	60	61		"	c.s.p.cu	1	

under the command of Commander Frank. Courtis. , U. S. Navy,

Saturday October 22nd , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast rainy, foggy and disagreeable. Lights to moderate wind from E.N.E to South until near eleven A.M. when it began to clear with stiff Shet wind. Yard workmen variously employed on board. By order of the Bureau Nav- discharged A. N. Morrison (F. d) from the Naval Service to date from the 24th inst and granted him leave to that date.

A. Mertz
Lieut. U.S.N.

Examined and found to be correct.

E. E. Mugler
Navigator.

4-220

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Trouble.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.																	
1	Along side of dock				West	4			29.73	58	57	57		b.c.	ci.cu	2.	
2					"	4			29.74	58	54	54		"	"	3	
3					"	5			29.75	57	52	51		"	"	5	
4					"	5			29.76	57	52	51		"	,	8	
5					"	4			29.79	57	51	50		"	s.cu.	4	
6					"	4			29.81	57	51	50		"	"	1	
7					N. by W.	3			29.82	55	51	49		"	fr.cu	7	
8					" " "	5			29.85	55	52	49		"	a.cu	7	
9					" " "	5			29.85	58	52	49		"	"	7	
10					" " "	5-7			29.91	60	52	49		"	"	7	
11					" " "	6.			29.91	61	52	49		"	"	7	
Noon.					" " "	6			29.93	61	52	49		"	"	7	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

Hour.	Knots.	Trouble.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
P. M.																	
1	Along side of dock				West	5-7			29.96	64	57	56		b.c.	c.cu.	7	
2					"	5-7			29.99	63	57	56		"	"	7	
3					"	4-6			30.03	64	59	58		"	"	6	
4					"	4-6			30.08	66	59	59		"	"	5	
5					N. N. W.	2.			30.13	65	56	52		"	fr.cu	8	
6					" " "	2-4			30.19	62	54	51		"	"	9	
7					" " "	2.			30.25	61	53	50		b.	none	10	
8					" " "	1			30.29	60	51	49		"	"	10	
9					" " "	1			30.34	59	51	49		"	"	10	
10					" " "	1			30.38	58	50	48		"	"	10	
11					" " "	1			30.39	58	50	48		"	"	10	
Mid.					" " "	1			30.41	55	50	48		"	"	10	

under the command of Commander Frank. Courtis, U. S. Navy,

Sunday October 23rd, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear. Light airs to fresh breze from. N. E. to N. N. W. Passing.

E. E. Wright
Navigator

Examined and found to be correct.

E. E. Wright
Navigator.

4—86

LOG of the UNITED STATES Training Ship Essex. 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Along side of dock.				N. N. W.	1			30.43	53	46	45		b	none	10	
2					" " "	1			30.43	53	45	44		"	"	10	
3					" " "	1			30.43	52	44	43		"	"	10	
4					West.	1			30.44	51	45	44		"	"	10	
5					"	1			30.48	52	44	43		"	"	10	
6					N. E. N.	1			30.52	52	44	43		"	"	10	
7					" " "	2			30.53	51	46	44		"	"	10	
8					" " "	2			30.50	54	50	48		b.e.	ci.cu.	7	
9					West.	3			30.60	56	53	50		"	"	8	
10					"	1			30.60	58	55	52		"	"	5	
11					"	2			30.60	60	56	53		"	"	7	
Noon.					"	1			30.58	62	58	55		"	"	8	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1	Along side of dock.				West.	1			30.58	65	59	56		b.e.	ci.cu.	7	
2					"	1			30.57	65	59	56		"	"	7	
3					"	1			30.56	65	59	56		"	"	5	
4					S. E.	1			30.56	65	58	56		"	"	5	
5					South.	1			30.55	64	55	54		"	"	4	
6						1			30.55	63	59	58		"	"	2	
7					S. S. W.	1			30.55	63	59	58		"	"	2	
8					"	1			30.55	62	59	58		"	ci.cu.	2	
9					Calm.	0			30.55	61	53	52		"	a.c.cu.	1	
10					"	0			30.55	61	53	51		"	ci.	3	
11					"	0			30.55	61	52	50		"	"	6	
Mid.					"	0			30.55	60	50	49		"	a.cu.	7	

under the command of Commander Frank Courtis., U. S. Navy,

Monday. October 24, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Light westerly airs and breeze. Clear first part. Hazy, boarding over slightly at end. Workmen from yard engaged at work on board in various departments. At 800 P.M. mustered crew, the following named men were absent over time, C. H. Clarke (Mess Att) Thos. Dalton (Mess Att) C.N. Gahm (Sea). Pvte. Perry (Mn. Cl) was transferred to the Portsmouth Navy Yard Hospital. Received on board ammunition as follows, 446 Common shell for 4' D.L.P. 30 shrapnel 4' D.L.P. and 10 armor piercing 4' shell. 360 1 pdr common shells, and 300 1 pdr armor piercing, 550-6 pr armor piercing shell and 649 6 pdr common shells, and 99 6 pdr. saluting charges. Stowed ammunition in shell rooms and magazines. Reeving cordage and gear on board, accommodation ladder, halliard racks, awning stanchions, and gear belonging to outfit. Received the following equipment stores. 1 Pinchbug bag, 2 Sets Gloves Boxing, 8 prs Bolivian Mules, 8 pr Dumb bells, 300 lbs Hemp junk - 1 Stencil Outfit, 2 Mauls, 2 Handles, 24 Toggles, 4 Serving Mallets, 18 packages Sneret powder, 1 Tape line, 1 pr Punches, Flat nose. - 1 pr. Punches, round nose. - 1 Pair Squares. - 6 Pad Awls, 2 Scratch Awls. - 2 Hand Awls - 1 Sailmakers Dividers. - 3 Shoe Knives - 1 Hose Expander - 5 Whistles, Cold. - 15 lbs. Preservative - 1 pr Shears, 10 inch - 2 Crow bars, 3 Shovels - 3 Spades - 2 Pickaxes - 2 Jimlet Axes 25 Scrapers, metal - 25 Scrapers, wood - 2 yrd Sticks - 10 lbs Sinnet Twine. 12 Rings Jacobs ladders - 6 Fids, splicing - 1 Fid. Single. 12 Serving Boards - 93 Hose washers - 12 Palms, seaming. 12 Palms, roping. 4 Prickers, 1 Seam, - 1 Shark Hook - 1 Commanders Work, - 1 Commanders, wood. 5 Shackles, keys. 6 Shackles key pinches - 30 Rings, assorted. - 1 Hose Strainer - 2 Sets Slings - 1 Work board 1 Harpoon, 260 Hammock rings - 24 Hooks single - 50 Hanks, assorted 18 Thimbles.

A. G. Dorsel
Lieut USN

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																
1				Alongside of dock	S. E.	1			30.56	59	49	48	b.c.	cu.	8	
2				"	"	2			30.56	58	48	47	"	"	7	
3				"	"	2			30.56	58	48	47	"	"	8	
4				"	"	2			30.56	58	48	47	"	"	8	
5				"	S. S. W.	1			30.54	57	46	45	"	"	8	
6				"	"	1			30.53	50	46	45	"	cicu.	5	
7				"	"	1			30.53	49	45	40	"	"	5	
8				"	"	1			30.54	52	49	48	"	"	6	
9				"	W. S. W.	1			30.55	58	54	52	"	"	7	
10				"	"	1			30.55	61	56	54	"	"	7	
11				"	"	1			30.54	63	59	56	"	"	4	
Noon.				"	"	2			30.53	63	60	57	"	"	3	

Position at 8 A. M.: Latitude by ° ′ ″ ; Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″ ; Longitude by observation ° ′ ″ ; Latitude by D. R. ° ′ ″ ; Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ ; Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																
1				Alongside of dock	S. S. W.	3			30.51	66	62	58	b.c.	cicu.	5	
2				"	"	2			30.51	69	63	59	"	"	6	
3				"	"	1			30.52	72	64	61	"	cu.	5	
4				"	S. S. W.	1			30.51	73	65	61	"	"	7	
5				"	"	1			30.51	69	63	60	"	"	6	
6				"	"	1.2			30.51	64	59	55	"	"	8	
7				"	"	2			30.51	68	57	55	"	"	9	
8				"	"	1.2			30.51	68	56	55	b.c.	nmb.	10	
9				"	S. S. W.	1			30.51	67	55	54	"	"	10	
10				"	"	1			30.51	61	54	53	"	"	10	
11				"	"	1			30.50	59	54	53	b.c.	cicu.	9	
Mid.				"	"	1			30.49	58	54	53	"	"	8	

under the command of Commander Frank Courtis., U. S. Navy,

Tuesday. October. 25th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Generally clear and fine. Light airs and light breezes from S.E. to S.W. At 10 AM mustered crew at quarters - absent & overstaying leave C.H. Clarke (M Att) Thos Quinn (M Att) and C.H. Gahm (Seaman) At 2 o'clock C.H. Clarke and Thos. Quinn (M. Attendants) returned on board 23 hours over liberty. Yard workmen employed on board in painting, overhauling guns and gun ports, building bridge etc. Crew employed in getting on stores. Asst Pay. W.G. Atwood U.S.N. left for Boston Mass under orders for examination for promotion. Held on Ordnance Dept. ammunition as follows, 153 shrapnel for 3" F.G., 6-100 lb powder tanks containing 1000 lbs cannon powder, ball cartridge as follows, - 5000 rifle Cal 6 m/m, 2000 machine gun, cal. 6 m/m, 16000 revolver cal 38, 3000 rifle cal 45, 3000 rifle cal 22, 5000 blank cartridges for rifle cal 6 m/m, 500 primers for 6 pdr saluting charges, 12 shrapnel percussion fuses, 6 base fuses, 12 time fuses.

A. Merle
Lieut. U.S.N.

Examined and found to be correct.

E.E. Wigglesworth
Navigator.

4—285

LOG of the UNITED STATES Training Ship Essex, 3rd. Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Along side of dock.				Calm.	0			30.47	57	53	52		b.c.	a.cu.	1	
2					"	0			30.46	57	53	53		b.c.w.	s.cu.	0	
3					S.E.	1			30.45	58	54	54		"	"	0	
4					"	1			30.43	58	54	54		"	a.s.	0	
5					"	1			30.42	58	54	54		"	"	0	
6					"	1			30.40	58	54	54		"	"	0	
7					"	1			30.37	60	56	56		b.c.	"	0	
8					"	1.2			30.37	61	56	56		"	"	0	
9					"	1			30.33	61	57	56		b.m.	min.	0	
10					"	2			30.31	63	57	56		0	"	0	
11					"	2.5			30.28	63	57	56		"	"	0	
Noon.					"	2.3			30.23	64	57	56		"	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1	Along side of dock.				S.S.E.	2			30.19	63	57	56		ocd.	w	0	
2					"	2			30.15	62	56	56		ocd.	"	0	
3					"	2			30.03	62	58	58		"	"	0	
4					E.S.E.	2.4			30.01	62	58	58		"	"	0	
5					South.	3.4			29.99	63	59	59		ofd.	"	0	
6					"	3			29.98	67	59	59		"	"	0	
7					"	4			29.97	69	58	58		"	"	0	
8					"	4			29.96	72	58	58		"	"	0	
9					"	4.6			29.93	65	58	57		f.N.	"	0	
10					"	4.6			29.91	64	58	57		"	"	0	
11					"	3.5			30.89	63	57	56		"	"	0	
Mid.					"	3.5			29.88	63	57	56		f.	"	0	

under the command of Commander Frank Coontz, U. S. Navy,

Wednesday October 26th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast then rainy. Calm to fresh breze from S.E. Bar. falling. At 1.00 P.M. held Muster C.N. Gatom. absent: over leave. Workmen on C & R. at work on bridge and painting. Ordnance at work on gun mounts. Receiving stores in Ord. Equipt. and Navigation. Richard Ennis (Sea) was given an acting appointment as Yeo 3rd cl to date from Oct 7 1898. Received P.T. Alexandria. Hospital Steward from U.S.R.S. Richmond.

E.E. Wright
Lt

Examined and found to be correct.

E.E. Wright
Navigator.

4-660

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Along side of dock at Navy Yard Portsmouth N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Along side of dock				South.	4			29.86	63	58	58		red.	m	0	
2						4.5			29.87	62	58	58		"	"	0	
3					S. S.W.	4.6			29.87	61	59	58		o.g.d.	"	0	
4					S.S.W.	3.			29.87	61	59	58		o.c.u.	"	0	
5					" " "	3.6			29.85	60	56	56		o.g.u.	f.ct	0	
6					" " "	4.			29.87	60	56	56		b.c.	"	0	
7					West.	4			29.93	58	53	52		b.c.	s.cu.	1	
8					"	3			29.97	57	51	49		o.c.	"	0	
9					"	3			29.99	59	50	47		b.c.	c.u.	5	
10					"	3			30.02	61	50	47		"	"	7	
11					"	3.4			30.04	60	50	46		"	"	6	
Noon.					"	4.			30.06	59	50	46		"	"	5	

Position at 8 A. M.: Latitude by ° ' "

Longitude by ° ' "

Position at noon: Latitude by observation ° ' "

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1	Along side of dock.				West.	5.6			30.11	62	57	56		b.c.	c.u.	6	
2					"	5.6			30.11	62	57	56		"	"	7	
3					"	4.5			30.17	63	51	51		"	"	8	
4					"	3.5			30.19	61	49	48		"	"	8	
5					"	4.			30.25	57	45	42		"	"	9	
6					"	2.			30.27	53	44	41		b.	nmr	10	
7					"	2.			30.29	51	43	40		"	"	10	
8					"	1			30.32	50	42	41		"	"	10	
9					"	1.2			30.36	50	41	38		"	"	10	
10					"	1.2			30.38	50	40	38		"	"	10	
11					"	1.			30.40	50	39	38		"	"	10	
Mid.					"	1.			30.41	48	38	37		"	"	10	

under the command of Commander Frank Courtis., U. S. Navy,

Thursday. October 27th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast and misty at beginning, clearing during day, with falling temprature and rising barometer. Wind backing to W.S.W. stiff to fresh in force middle of day, then moderating to light airs at mid night. J. J. Maloney (M.P.) by order of commanding officer was placed in solitary confinement on bread and water for 5 days, for leaving ship without permission and returning under the influence of liquor. Prepared with bag and hammock. Valentine Miller. Ships cook 3rd cl. from U. S. S. Lancaster. Had muster at 1. John Dance Boilermaker absent over leave. Navy Yard workmen at work on board in various departments, fitting ports, painting ship, working on four inch gun mount, fitting rail and stanchions on bridge, etc. Received in Ord. Department one 3" R.F. field gun & carriage complete. 2 Colts Automatic guns with tripod and carriage also various ordinance and equipment and engineers stores. Asst Paymaster Ammon returned to the ship.

U.S. Dress

Lunch 11.55

Examined and found to be correct.

E. E. Mitchell
Lt & Navigator.

6-000

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Alongside of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Alongside of dock				North	1			30.42	48	37	36		b.	none	10	
2					"	1			30.45	48	37	36		"	"	10	
3					"	1			30.45	45	36	35		"	"	10	
4					"	1			30.47	46	36	35		"	"	10	
5					Calm.	0			30.53	47	35	34		"	"	10	
6					N. N.	1			30.56	47	34	33		"	"	10	
7					N. N. W.	1			30.57	47	35	34		b.c.	ci.cu.	9	
8					Calm.	0			30.63	51	40	38		"	"	8	
9					N. E.	1			30.65	50	45	42		"	ci.	8	
10					East	2			30.66	49	45	42		"	"	8	
11					E. S. E.	2			30.66	50	45	42		"	pa.cu.	8	
Noon.					" " "	2			30.64	49	45	42		"	"	9	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																
1	Alongside of dock			E. S. E.	2			30.64	56	45	42		b.e.	cu.	9	
2				" " "	1			30.64	60	45	42		"	"	8	
3				" " "	1.2			30.64	62	47	45		"	"	9	
4				" " "	1.			30.64	60	48	46		"	"	8	
5				" " "	1.			30.64	57	44	43		"	"	7	
6				Calm.	0.			30.65	55	42	41		b.	none	10	
7				"	0.			30.65	53	41	40		"	"	10	
8				"	0			30.65	51	39	38		b.w.	"	10	
9				"	0			30.66	48	38	37		" "	"	10	
10				"	0			30.65	46	36	36		" "	"	10	
11				"	0			30.64	45	35	35		" "	"	10	
Mid.				"	0			30.64	44	35	35		" "	"	10	

under the command of Commander Frank Austin, U. S. Navy,

Friday October 28, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear & cool. Light airs and light brizes from N. E. to E. S. E. Clear & calm. Employed in hoisting boats, bending sails, taking on stores and supplies. Yard workmen painting, building bridge &c. At 1.00 P.M. mustered at quarters. W. J. Riggs (C. M. A.) and John Reeves (Boilermaker) absent over leave. The former returned 13 hours over time and the latter 53 hours. By order of the Comdg Officer the following acting appointments were issued to date from Oct 2nd. 1st Class Fd Sea to Yeo 3 cl. A. T. Mulhern (Bds) to Yeo 3 cl and P. R. Nilsen (Sea) to Ma A. 3 cl. Chaplain C. H. Parker returned from leave.

A. Reed
Lieut. U. S. N.

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth N.H.

Hours	Knots	Tenths	Reading of Patent Log	COURSES STEERED by Standard Compass	WIND. Direction by Standard Compass	WIND. Force	Heel	Leeway	BAROMETER. Height in inches	TEMPERATURE. Ther. att'd	TEMPERATURE. Air. Dry Bulb	TEMPERATURE. Air. Wet Bulb	TEMPERATURE. Water at Surface	State of the Weather, by symbols	Forms of Clouds, by symbols	Prop. of Clear Sky; in Tenths	State of the Sea
A. M.																	
1	Alongside of dock.				Calm.	0			30.63	44	34	34		b.w.	nmbs	10	
2					Strk.	1			30.63	44	34	34		"	"	10	
3					"	1			30.63	44	34	36		b.c.w.	s.cu.	3	
4					"	1			30.63	44	34	34		"	"	1	
5					N.N.W.	1			30.63	44	36	35		"	"	1	
6					North.	1			30.63	44	36	35		"	"	2	
7					"	1			30.63	44	37	36		"	cir.	2	
8					N.by.E.	1			30.63	46	39	38		"	"	1	
9					" " "	1			30.62	46	42	40		o.c.	a.s.	0	
10					" " "	1			30.63	47	44	42		"	"	0	
11					N.N.E.	1			30.61	48	45	44		rem.	"	0	
Noon.					" " "	1			30.60	47	45	44		"	n.	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1	Alongside of dock.				North.	1			30.57	48	44	44		o.d.	n	0	
2					"	1			30.56	48	45	45		"	"	0	
3					N.N.E.	1			30.53	50	46	46		"	"	0	
4					" " "	1			30.53	51	46	46		"	"	0	
5					" " "	1			30.51	50	45	45		o.d.	"	0	
6					" " "	1			30.51	50	45	45		"	"	0	
7					" " "	1			30.50	50	45	45		"	"	0	
8					" " "	1			30.49	50	46	46		"	"	0	
9					Calm.	0			30.47	49	46	46		"	"	0	
10					"	0			30.44	49	45	45		o.d.	"	0	
11					"	0			30.42	49	45	45		o.c.	"	0	
Mid.					"	0			30.42	49	45	45		"	"	0	

4—255

under the command of Commander Frank Courtis, U. S. Navy,

Saturday October 29th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast, misty and rainy. Light N. N. E. airs. Falling barometer. Navy Yard workmen at work on board in Construction Department. Finishing work on bridge, cutters, whale boats and dinghy in gloves all except cutter on port quarter, which proved too large for davits. Workmen began work at shifting fore davit further forward. Returning on board clothing & small stores, boat gear and equipment stores. John James Dunbar (F. C.) was given an acting appointment as Coal Pr to date from Oct 2 1898. John Joseph Dunbar Eds was given an acting appointment as Gunner to date from Oct 2 1898. Ensign H. L. Tufts U. S. Navy reported for duty. The coast survey steamer Pacific came in at 12.45

H. G. Dresel
Lieut USN

Examined and found to be correct.

E. E. Hughes
Lt & Navigator.

4—20

LOG of the UNITED STATES Training Ship. Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Along side of dock				N.N.E.	1			30.38	48	44	44		o.c.w.	m.	0	
2					North.	1			30.34	48	44	44		"	as	0	
3					"	1			30.32	48	44	44		o.d.m	m	0	
4					"	1			30.32	47	44	44		o.d.	"	0	
5					"	1			30.31	47	44	44		"	"	0	
6					"	1			30.29	47	44	44		o.c.w	"	0	
7					"	1			30.26	47	44	44		"	ad	0	
8					"	1			30.23	50	44	44		"	scus	0	
9					"	1			30.23	50	45	45		"	ac	0	
10					N.N.W.	1			30.23	49	45	45		o.c.	"	0	
11					"	1			30.23	49	45	45		"	"	0	
Noon.					"	1			30.19	50	46	46		"	"	0	

Position at 8 A. M.: Latitude by ° ' "
Longitude by ° ' "

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																	
1	Along side of dock				N.N.W.	1			30.10	53	50	49		o.	ac	0	
2					"	1			30.10	55	50	49		o.c.	ac.w	0	
3					"	1			30.11	57	50	49		b.c.	c.w.	1.	
4					"	1			30.11	58	50	50		"	"	2.	
5					Calm.	0			30.08	56	50	50		b.c.d.	scum.	2.	
6					N.E.E.	1			30.07	54	49	49		b.c.w.	"	2	
7					Calm.	0			30.07	55	49	49		o.c.w.	"	0	
8					"	0			30.06	56	49	49		"	"	0	
9					"	0			30.06	56	49	49		"	"	0	
10					"	0			30.06	56	49	49		"	"	2	
11					N.E.E.	1			30.04	56	48	48		"	"	2	
Mid.					"	1			30.07	56	48	48		b.	"	2	

under the command of Commander Frank Coontis. , U. S. Navy,

Sunday October 30th , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast and misty, clearing towards end of day. Falling barometer. Had muster at 9.25 AM. Held Divine services at 7.00 PM.

H. B. Speed
Lieut USN

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1	Along side of dock				Calm	0			30.01	55	46	46		b.c.	none	10	
2					"	0			30.00	54	45	45		"	"	10	
3					"	0			29.99	54	43	43		"	"	10	
4					"	0			29.99	53	43	43		"	"	10	
5					West	1			29.99	51	41	41		"	"	10	
6					Calm.	0			30.00	51	41	40		"	"	10	
7					"	0			30.01	50	41	40		b.m.	"	10	
8					West.	1			30.03	52	42	41		b.c.	a.cu.	5	
9					"	1.2			30.03	51	44	43		"	"	2	
10					N.W.	1.2			30.03	52	46	44		"	"	3	
11					"	2			30.04	52	49	46		"	"	4	
Noon.					"	2			30.04	54	49	46		"	cu.	6	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, " "

P. M.																
1	Along side of dock				N.W.	3			30.06	55	51	48		b.c.	cu.	4	
2					"	3			30.07	56	51	48		"	"	5	
3					"	3			30.09	56	51	47		"	"	5	
4					"	2			30.09	58	50	47		"	"	4	
5					Calm.	0			30.15	57	47	44		"	"	2	
6					"	0			30.18	57	46	44		"	"	2	
7					"	0			30.21	56	45	43		"	s.cu.	2	
8					"	0			30.23	54	44	43		"	ci.cu.	9	
9					"	0			30.25	54	44	43		b.	none	10	
10					"	0			30.28	52	42	41		"	cu.	7	
11					"	0			30.29	49	41	40		b.c.	a.cu.	2	
Mid.					"	0			30.29	48	40	39		o.c.	s.cu.	0	

under the command of Commander Frank Courtis. , U. S. Navy,

Monday October 31 st. , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast to Fair. Cool light to gentle breeze from N. & N.E. Sets. Calms & Barometer noms. Coaling Ship during day. Receiving ordinance stores. Navy Yard workmen at work in Construction & Equipment Dept. Coast Survey Steamer Bache left the harbor. Lt. C. M. Fahs & Ensign Ralph Earle U.S. Navy reported for duty. Temperature of Magazine Maximum forward 62 aft 66.

W. Pullis Lieut
J. Eskridge U.S.N.

APPROVED.

Frank Courtis
COM'D'R, U. S. N., COM'D'G.

Examined and found to be correct.

J. E. Mugler
Lt & Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex. 3rd. Rate,

Alongside of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.																	
1	Alongside of dock				Calm.	0			30.30	46	46	45		b. c.	s.cu.	4	
2					"	1			30.33	45	40	39		"	"	3	
3					"	1			30.33	43	41	40		"	"	3	
4					"	1			30.36	43	41	40		"	"	4	
5					Calm.	0			30.42	47	40	39		"	"	9	
6					S.S.W.	1			30.45	48	39	38		"	"	7	
7					"	1			30.48	48	39	38		"	"	7	
8					"	1			30.50	51	42	40		"	ci.cu.	9	
9					"	2			30.53	57	44	41		"	"	9	
10					S.W.	1			30.54	57	45	42		"	fr.cu.	9	
11					West	1			30.57	61	45	42		"	"	8	
Noon.					Calm.	0			30.55	58	47	44		"	"	9	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, lbs.

Coal remaining on hand at noon, 37 " 1710 "

P. M.																
1	Alongside of dock.			S.S.E.	2			30.54	58	45	43		b.c.	cu	9	
2				"	2			30.54	59	46	43		"	"	9	
3				"	2			30.54	60	47	45		"	"	9	
4				"	1,2			30.54	58	45	43		"	"	9	
5				"	2			30.55	59	45	44		"	s.cu.	2	
6				"	2			30.57	63	45	44		"	ci.	8	
7				South.	2			30.58	65	45	44		"	"	7	
8				"	2			30.59	61	45	44		"	"	6	
9				"	3			30.58	65	46	45		"	ci.cu.	7	
10				S.S.W.	2			30.57	68	46	45		"	ci.s.	6	
11				S.W.	3			30.56	67	45	43		"	"	5	
Mid.				"	2			30.56	64	44	42		"	"	4	

4—955

under the command of Commander Frank Courtis., U. S. Navy,

Tuesday November 1st, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear, cold and pleasant. During forenoon light airs and breze from N. to N. E. shifting to S. S. E., S and S. S. W. during afternoon. Barometer high and steady. Moored ship to buoy, furling sails at 4 P. M. At 11.30 A.M. fire drill in the yard was held. P. T. J. Long, P. M. 1 cl. reported for duty from the U. S. P. S. Wabash. By order of Commanding Officer released J. J. Malony, C. P. from confinement the term having expired. Temperature of forward magazine 55 to 62. of after magazine 60 to 66. Coaling ship taking on 45 tons during the day. Hydraulic workmen on construction engaged in fitting cutter davits, in Ordnance fitting port forward gun mount for 4" P. P.

Ralph Earle,
Ensign U. S. N.

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Along side of dock.				S.W.	2			30.55	62	44	42		b.c.	cir	6	
2					" "	2			30.55	62	43	41		"	"	5	
3					" "	2			30.53	61	43	41		"	"	6	
4					" "	2			30.53	61	43	41		"	"	4	
5					" "	2			30.49	59	45	44		"	"	5	
6					" "	3			30.49	62	45	44		"	"	5	
7					S.S.W.	3			30.46	56	46	45		c.	fr.cu.	1	
8					" "	3-4			30.43	54	47	46		"	"	1	
9					S.W.	4			30.42	56	50	47		b.c.	cir.cu.	2	
10					" "	5			30.38	58	52	48		"	"	3	
11					" "	4-5			30.36	59	55	50		"	"	3	
Noon.					" "	4-5			30.34	66	56	51		"	"	4	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, 2000 lbs.

Coal remaining on hand at noon, 36 " 1950 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1	Along side of dock.				S.W.	4-5			30.31	72	59	53		b.c.	cir.cu.	6	
2					"	5			30.31	76	60	54		"	"	4	
3					W.S.W.	3			30.33	74	60	54		"	s.cu	2	
4					Vbl.	2			30.33	71	59	53		b.c.	"	0	
5					"	2			30.36	70	59	57		"	"	0	
6					"	3			30.40	71	56	55		b.	nim	10	
7					"	2			30.43	74	54	52		"	"	10	
8					"	3			30.44	69	55	52		"	"	10	
9					W.S.W.	3			30.48	73	51	48		"	"	10	
10					Vbl.	2			30.52	74	49	47		"	"	10	
11					"	1			30.57	75	48	46		"	"	10	
Mid.					"	1			30.59	75	48	46		"	"	10	

4—965

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, November 2, nd, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Partly cloudy first half of day, with moderate to stiff S.W. breezes. Wind hauling to W.N.W. and falling light, with clearing weather. Started distilling into tanks at 12.30 P.M. Finished coaling, took in about 5 tons from 8 to 9.30 A.M. Got sailing launch in place, stowing lumber and various stores. At work at fitting boat gear in place, etc. Navy Yard workmen fitting boat davits and at work on repairs to four inch gun #2 port side. Transferred F. Gunter, S 6 2 cl to U.S.S. Wabash. At 9 A.M. G. F. Lakeman (Fds) was found to have left ship without permission. He returned at 11.20 A.M. Temperature of forward magazine 65 to 63, after magazine 62 to 60.

W. S. Dewey
Lieut. U.S.N.

Examined and found to be correct.

E. E. Wright
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth. N. H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Along side of dock.				West.	1			30.58	63	48	46		b.	none	10	
2					Calm	0			30.62	74	45	44		"	"	10	
3						0			30.64	73	45	44		"	"	10	
4					N. E.	1			30.67	72	43	42		"	"	10	
5					Calm.	0			30.68	66	42	40		"	"	10	
6					"	0			30.68	67	42	39		"	"	10	
7					West.	1			30.70	61	43	38		"	"	10	
8					"	1			30.75	62	47	45		"	"	10	
9					"	1			30.75	66	47	45		"	"	10	
10					"	1			30.76	69	49	47		bc.	c.s.	8	
11					"	1			30.73	66	49	47		"	"	9	
Noon.					"	1			30.71	62	53	50		"	"	9	

Position at 8 A. M.: Latitude by ° ' "

Longitude by ° ' "

Position at noon: Latitude by observation ° ' "

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, 1 tons, 2020 lbs.

" Newark. 122 " 1675 "

Coal remaining on hand at noon, 157 " 1605 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1	Along side of dock.				S. E.	1			30.71	63	54	48		bc.	cu	9	
2						1			30.70	64	51	48		"	"	9	
3					S. S. E.	1			30.69	61	52	49		"	"	9	
4					"	1			30.67	61	51	49		"	"	9	
5					Calm	0			30.68	60	49	47		"	ci. s.	9	
6						0			30.70	66	48	46		"	"	9	
7					S. W.	1			30.72	72	46	44		b.	none	10	
8					Calm.	0			30.73	72	45	44		"	"	10	
9						0			30.73	61	43	42		"	"	10	
10					West.	1			30.73	61	42	41		"	"	10	
11					"	1			30.73	61	42	41		"	"	10	
Mid.					"	1			30.73	60	41	40		"	"	10	

4—355

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday. November. 3rd. , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and pleasant. Light variable airs. At 1.00 P.M. called all hands to muster. Absent over leave. C. E. Dunham. Sea. The Commanding Officer delivered, by orders of the Navy Department, a good conduct badge to John Daines. Boilermaker. By order of Commanding Officer J. Doth. Sea. A. Bowske, Blacksmith. To J. H. Fisher G.M. with bluejacket to 2nd conduct class. By order of Commanding Officer Geo. F. Sakeman. Fde. was put in 5 days solitary confinment on bread and water for leaving ship and yard without permission Issued clothing and small stores. Crew engaged during forenoon on cleaning gun deck, later in bending boat sails and straightening up gear aboft. Navy Yard workmen at work on boom. Painting and fitting boat Habits etc. Maximum temperature of magazine 65°

C. M. Fahs,
Lieut. U.S.N.

Examined and found to be correct.

E. E. Wright
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex. 3rd Rate,

Along side of dock at Navy Yard. Portsmouth. N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Along side of dock.				East.	1			30.74	63	39	39		b. w.	none	10	
2					Calm.	0			30.76	72	39	39		" "	"	10	
3					"	0			30.77	74	38	38		" "	"	10	
4					"	0			30.77	70	37	37		" "	"	10	
5					"	0			30.78	63	37	35		b.	"	10	
6					North.	1			30.77	64	36	35		"	"	10	
7					"	1			30.77	62	37	36		"	"	10	
8					Calm.	0			30.80	62	42	39		"	"	10	
9					"	0			30.81	63	45	42		"	"	10	
10					"	0			30.81	69	49	47		"	"	10	
11					S.E.	1			30.81	74	52	49		"	"	10	
Noon.					E. by E.	1			30.79	72	52	50		"	"	10	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, "

Coal consumed during the preceding 24 hours, tons, 2160 lbs.

Coal remaining on hand at noon, 156 " 1685 "

P. M.																	
1	Along side of dock				E. by N.	1			30.75	74	52	51		b.	none	10	
2					" " "	1			30.75	78	52	51		"	"	10	
3					" " "	1			30.74	79	53	52		"	"	10	
4					E. S. E.	1			30.73	74	53	52		"	"	10	
5					" " "	1			30.72	73	52	52		"	"	10	
6					" " "	1			30.70	68	50	49		"	"	10	
7					Calm.				30.70	66	47	46		"	"	10	
8					"				30.69	65	45	44		"	"	10	
9					"				30.70	64	43	42		"	"	10	
10					"				30.69	63	42	41		b. c.	s.	7	
11					"				30.69	63	42	41		"	"	8	
Mid.					"				30.69	63	42	41		"	"	8	

4—285

under the command of Commander Frank Courtis, , U. S. Navy,

Friday. November 4th. , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear and pleasant. Calms and light Variable airs. Barometer steady. Received a draft of 8 men from the U.S.S. Lancaster. G.C. Mino. O.M. 2cl, R. Decker. Cox, Lt. A. Folman, Cox. O. Selwon, Sea, J.S. Bigham, Sea, J.S. Murray Sea, O. Stohl, Sea. M.J. McCarrick, S.B. 4th cl. Tested Magazine flood cocks and drains. J.H. Fisher, G.M. 1c, H. Lindquist Coxswain were given permanent appointments as Chief Petty Officers and Petty Officers by the Navy Department. Put on steaming cobre, and bent boat cable. Caulkers at work caulking the gun deck. Also yard painters on board. Maximum temperature of the magazine 65°.

A. Peter Alin
Ensign U.S.N.

Examined and found to be correct.

E. Ellsworth
Lt K Navigator.

4—865

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of dock at Navy Yard Portsmouth N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Alongside of dock.				Calm.	0			30.68	70	42	38		b.c.f.	s	6	
2					"	0			30.68	72	42	38		"	"	6	
3					East.	1			30.66	70	38	37		o.f.	none	0	
4					"	1			30.65	69	36	36		"	"	0	
5					Calm.	0			30.63	68	37	37		"	"	0	
6					"	0			30.61	67	38	38		"	"	0	
7					"	0			30.59	57	38	38		"	"	0	
8					"	0			30.57	54	43	42		"	"	0	
9					"	0			30.56	54	44	44		"	"	0	
10					S.W.	1			30.53	56	45	45		o.c.	c.s.c.	0	
11					" "	1			30.50	60	47	47		"	"	0	
Noon.					" "	1			30.48	58	47	47		"	"	0	

Position at 8 A. M.: Latitude by ° ' "
Longitude by ° ' "

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 259 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 155 " 925 "

P. M.																	
1	Alongside of dock.			S.S.E.	1			30.45	61	50	99		b.c.	F.n.s	0		
2				S.E.	2			30.42	63	51	50		b.c.	"	1		
3				"	1			30.40	64	51	50		"	S.cu	1		
4				S.S.E.	1			30.36	64	51	50		"	"	3		
5				"	1			30.33	65	49	48		"	"	3		
6				"	1			30.32	67	49	48		o.c.	"	0		
7				"	1			30.32	71	49	48		"	"	0		
8				"	1			30.29	73	48	47		b.c.	cu	8		
9				S.S.W.	2			30.27	74	51	51		"	S	7		
10				S.	1			30.24	75	51	51		b.c.m.	"	5		
11				"	2			30.18	75	51	51		o.m.	"	0		
Mid.				"	2			30.14	75	52	52		o.m.m.	"	0		

4—265

under the command of Commander Frank Curtis, , U. S. Navy,

Saturday Nov. 5th , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast with thick fog, the latter lifting at daylight, cloudy and overcast remainder of day with clearing weather at night. Generally calm, with light airs and breezes from E. S.E. S.S.W. and S. Barometer falling.

J. Roach, Painter, reported for duty from the U.S.R.S. Wabash. At 1 P.M. Mustered the crew, absentees, E. Dunham. Sea. Tested life buoys and found them in good condition. Painters caulkers from yard at work on gun deck.

Maximum temperature of Magazines 64.6, Securing boats for sea.

John Joseph Dunlan, Painter, was this day directed to Landsman for the reason that the Navy Department sent a man here to fill the place.

Respy Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. E. Wright
Navigator.

LOG of the UNITED STATES Training Ship "Essex" 2nd Rate,

along side of dock, at Navy Yard. Portsmouth N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Along side of dock.				South	4			30.10	75	52	51		o.c.	cum.cu	0	
2					"	2			30.08	75	52	51		"	"	0	
3					"	2			30.00	76	51	50		"	"	0	
4					"	3			29.98	76	51	50		"	cu.cu	0	
5					"	4			29.93	75	48	49		"	S.cu	0	
6					"	3.4			29.89	74	47	47		"	"	0	
7					S. S. W.	3			29.87	68	52	52		"	"	0	
8					S. W.	3			29.84	64	57	57		"	"	0	
9					W. S. W.	4			29.83	64	58	57		o.c.r	Rain	0	
10					N. by. E.	2			29.86	63	58	57		"	"	9	
11					"	1			29.85	63	57	56		"	"	0	
Noon.					"	1			29.85	63	51	49		o.c.	"	0	
																0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 150 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2750 "

Coal consumed during the preceding 24 hours, tons, 1920 lbs.

Coal remaining on hand at noon, 154 " 1245 "

P. M.												
	Along side of dock.											
1		S. W.	2	29.82	62	50	48	O. C	N	0		
2		"	2	29.81	61	49	48	"	"	0		
3		"	2	29.80	60	49	48	"	"	0		
4		"	2	29.82	60	48	47	"	"	0		
5		"	1	29.84	60	48	47	b. c.	S. cu.	0		
6		"	1	29.85	65	48	47	"	"	3		
7		W. S. W.	1	29.86	68	47	46	"	"	2		
8		"	1	29.87	68	47	46	"	S	9		
9		W. N.	4	29.88	67	45	46	b.c	"	0		
10		"	4	29.89	68	47	48	"	"	"		
11		"	4	29.89	69	43	44	"	N	"		
Mid.		"	4	29.89	69	42	43	"	"	"		

4–265

under the command of Commander Frank Curtis, , U. S. Navy,

Sunday Nov. 6th , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast, moderate breeze from south, hauling to Westward during forenoon with rain. Barometer falling to 29.83. at 9. then rising. Clearing with cooler weather and N.W. wind at end of day.

At 9:30 had General Muster; the Commanding Officer inspected Ship. The following named men are absent E. Dellehaun. sea, - overstaying leave, and C.Z. Maxwell, machinist 1st class, absent without leave having left the ship without permission, some time during the preceding night.

Held divine service. C.Z. Maxwell, machinist 1st class returned at 1:20 P.M.

Maximum temperature of Magazine 64°

A.G. Drexel
Lieut. U.S.N.

Examined and found to be correct.

E.E. Wright
Lt. & Navigator.

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

Along side of dock, Navy Yard, Portsmouth. N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Alongside of dock	West	3			29.93	67	44	42		b. c	a. cu	3	
2				"	"	2			29.91	69	43	41		"	"	8	
3				"	"	2			29.97	70	42	40		b.	none	10	
4				"	N. N. W.	3			30.00	70	41	39		"	"	10	
5				"	"	2			30.00	70	40	38		"	"	10	
6				"	"	2			30.06	69	40	38		"	"	10	
7				"	"	1			30.08	60	39	37		"	"	10	
8				"	"	3			30.11	57	41	39		"	sci. cu	8	
9				"	N. W.	H.S			30.15	56	44	41		"	Fr. cu	5	
10				"	"	4			30.17	56	45	40		"	S. cu	4	
11				"	"	4			30.23	58	42	38		"	"	1	
Noon.				"	"	4			30.24	58	43	39		"	"	2	

Position at 8 A. M.: Latitude by ° ' "
Longitude by ° ' "

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2550 "

Coal consumed during the preceding 24 hours, tons, 1880 lbs.

Coal remaining on hand at noon, 153 " 1605 "

P. M.														
1	Alongside of dock	N. W.	4		30.21	57	42	38	b. c	S. cu	7			
2		"	3		30.28	59	44	39	"	ci. cu	8			
3		"	2		30.32	63	45	41	"	Fr. cu	9			
4		"	2		30.36	63	43	40	"	"	9			
5		N. W. by W	3		30.38	60	41	38	"	Sc	9			
6		W. by N.	2		30.42	60	40	37	13	none	10			
7		"	1		30.45	63	39	37	"	"	10			
8		"	1		30.49	64	38	35	"	"	10			
9		"	1		30.49	66	37	35	"	"	10			
10		"	1		30.50	66	37	35	"	"	10			
11		W. N. W	1		30.50	67	35	33	"	"	10			
Mid.		"	1		30.58	66	35	34	"	"	10			

under the command of Commander Frank Curtis, U. S. Navy,

Monday Nov. 7th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Clear, rising barometer, N. E. N. light airs, and breezy.

Confined C. F. Maxwell, machinist 1st class in single irons for safe keeping to await action of commanding officer.

By order of the Commanding officer C. F. Maxwell, Machinist 1st class was awarded the following punishments: five days solitary confinement on bread and water, and reduction to 4th class, for leaving the ship, and Navy yard without permission, he was confined accordingly.

Navy yard men on board caulking the gun deck, and fitting deck bolts.

At 4 p.m. held muster, the following men absent over leave, E. Müller, Hospital Att. M. Doran, 1. M. 2c. C. C. Coleman, chief C. Mate E. Denham, Sea, and F. E. Newman, S.C. 3rd cl.

C. M. Fahs
Lieut. U.S.N.

Rating of McCarg, F. Newton, changed to that of Boatswain by order of the Bureau of Navigation

Frank Curtis
COM'D'R, U.S.N., COM'D'G.

Examined and found to be correct.

E. E. Wright
Lt. K. Navigator.

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

Alongside Navy Yard Portsmouth N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Cloud Sky, in 10ths.	State of the Sea.
A. M.																	
1				Alongside of dock	East	1			30.52	59	35	34		b. c.	St.	6	
2					N. N. E	1			30.54	60	35	34		"	a. s	3	
3					N. W.	1			30.54	60	34	33		"	a. c	2	
4					N.	2			30.54	57	34	33		"	c. st	5	
5					"	1			30.54	54	34	32		"	a. cu	2	
6					"	1			30.55	48	33	32		"	ci. cu	8	
7					"	2			30.54	47	37	35		"	"	7	
8					"	2			30.54	46	39	37		"	"	3	
9					S by W	3			30.51	50	43	40		"	"	8	
10					S. S. W	4			30.50	56	47	43		"	a. ci. cu	4	
11					"	4			30.47	54	50	45		"	a. c	2	
Noon.					S. W	5			30.44	54	51	46		"	a. c	1	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 150 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, tons, 1840 lbs.

Coal remaining on hand at noon, 152 " 2005 "

P. M.																	
1				Alongside of dock	S. W	4.5			30.40	52	53	47		b. c	ci. cu	6	
2					"	5			30.40	60	56	48		"	"	7	
3					"	4.5			30.40	63	58	49		"	"	8	
4					"	3			30.40	63	51	49		"	"	8	
5					"	3			30.44	60	54	48		"	a. cu	7	
6					"	2			30.44	64	52	48		"	"	8	
7					"	1			30.44	67	60	46		"	"	9	
8					"	1			30.45	70	49	46		clear	—	10	
9					"	1			30.48	70	49	46		b. c	S	9	
10					Calm	0			30.48	69	48	46		"	"	9	
11					"	0			30.48	71	47	45		"	"	6	
Mid.					S. W	1			30.50	70	48	46		c. c	"	0	

4—355

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday Nov. 8th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Cloudy to clear, cool. Stiff breeze to light airs variable in direction. Barometer steady.
Yard workmen on board in Construction Department.

At 1.30 PM held muster, Absentees on leave E. Mulley - Hospital Apr, M Doran. B.M.2.C. E Dunham, Sea, F.E. Newman S.C.C. E Dunham, Sea, returned about 4 PM, 1½ hours over liberty.

Slack low water at 12.15 PM. Received in Medical Dept 8 boxes of medical stores, also stores in Ordnance Dept.

By order of the Commanding Officer, G. F. Wasamann was released from Confinement, his term having expired. By the same authority he was placed in single irons for safe keeping at 4.30 PM.

At 11.20 PM placed R Simms Yn. 3rd class in single irons for safe keeping, he having left the ship, and yard without permission.

Wm. A. Gill
Ensign U.S.Navy

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Alongside Dock Navy Yard Portsmouth N.H.

Hour	Knots	Fractions	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	Ther. with.	TEMPERATURE. Dry Bulb.	Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Dep. of Clear Sky, by Units.	Stations Inches
A. M.																	
1				Alongside of Dock	S.W.	1			30.48	73	48	46		cc	Ns	10	
2				" "	"	1			30.50	74	47	46		"	"	10	
3				" "	"	1			30.50	74	47	45		"	"	4	
4				" "	"	1			30.53	74	49	46		be	c,cu	9	
5				" "	"	1			30.56	74	47	45		"	"	5	
6				" "	"	1			30.56	72	46	45		"	Cu	1	
7				" "	"	1			30.58	68	46	45		"	"	1	
8				Calm	C				30.60	63	49	47		cc	Scu	0	
9				S.W.	1				30.56	65	51	49		be	"	2	
10				West	1				30.57	57	50	51		"	"	3	
11				W.S.W.	1				30.57	61	54	51		"	cu	3	
Noon.				Calm	C				30.57	63	58	52		"	"	3	

Position at 8 A. M.: { Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons. 1840 lbs.

Coal remaining on hand at noon, 152 " 165 "

P. M.																	
1				Alongside of Dock													
2					Calm	C			30.52	63	58	52		be	ci	3	
3					S by E	1			30.53	62	58	51		"	ci,cu	6	
4					W.S.W.	1			30.51	67	53	51		"	"	6	
5					Calm	C			30.53	63	52	49		"	"	7	
6					"	C			30.54	59	49	48		"	"	9	
7					"	C			30.54	62	49	48		cc	St	10	
8					"	C			30.56	70	48	47		"	"	10	
9					East	2			30.58	70	49	48		cc	St	10	
10					S.E.	2			30.60	68	48	46		cc	St	10	
11					"	2			30.60	68	47	45		cc	Sc	10	
Mid.					"	2			30.60	64	46	44		"	"	10	
					"	2			30.57	61	45	44		"	"	10	

under the command of Commander Frank Coutts, U. S. Navy,

Wednesday November 9, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Overcast at first. Fair and pleasant afternoon. Rainy in evening. High water, Sandy at 5.30 P.M.
Navy Yard cautions at work on Gun Deck.

At 1st called all hands to muster, absent over leave C. Muller (Asst. apr.) M. Doran (B.M. 2d) and J. C. Newman (A.B. 2d). Recd. from the Machias with bag and hammock and necessary transfer papers F. H. Scott Lds.

The appointment of J. J. Sunday (Oiler) was this day worked by the Commander for the reason that the Navy Dept. sent an oiler to this ship to take the place.

By order of Commanding Officer placed J. P. Wakeman Lds. single irons over night for safe keeping.

Reward of $10.00 for the delivery on board of P. C. Newman (A.B. 2d), Matthew Doran (B.M. 2d), Eugene Muller (Asst. apr.)

Chief Yeo
Engd U.S.S.

Examined and found to be correct.

E. E. Wright
Lt Navigator.

4—260

LOG of the UNITED STATES Training Ship Essex 3rd Rate.

Alongside Navy Yard Portsmouth N.H.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	States of the Sea.
A. M.																	
1				Alongside of Dock	N.E.	2			30.60	63	44	43		r.n	A.	0	
2				"	"	2			30.60	65	42	41		"	"	0	
3				"	"	1			30.60	65	41	40		p.c.d.	"	0	
4				"	"	4			30.58	63	41	40		"	"	0	
5				"	"	1-2			30.58	62	41	40		"	"	0	
6				"	"	2			30.58	64	40	40		"	"	0	
7				"	"	1			30.56	60	36	36		"	"	0	
8				"	"	1			30.54	56	37	37		"	"	0	
9				"	N.N.E.	1			30.52	54	39	39		"	"	0	
10				"	N.E.	1			30.50	54	39	39		"	"	0	
11				"	"	2			30.47	57	37	38		r.n.h.s.	"	0	
Noon.				"	"	3			30.43	52	37	38		r.s.n.	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 151 " 605 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	States of the Sea.
P. M.				Alongside of Dock													
1					N.E.	3			30.34	48	37	36		r.n.	A.	0	
2					"	3			30.29	48	37	36		"	"	0	
3					"	3			30.25	48	37	36		"	"	0	
4					"	3-4			30.20	48	37	36		"	"	0	
5					"	3			30.12	45	37	37		"	"	0	
6					N.N.E.	2			30.06	48	38	37		"	"	0	
7					"	2			30.01	50	38	38		"	"	0	
8						3			29.96	50	38	37		"	"	0	
9					N.N.E.	3			29.91	50	37	37		"	"	0	
10					"	2			29.90	50	37	37		"	"	0	
11					"	2			29.87	51	36	35		"	"	0	
Mid.					North	2			29.85	51	36	35		"	"	0	

under the command of Commander Frank Coutts, U. S. Navy,

Thursday, Nov 10th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Light airs to moderate breeze from N.E. and N.N.E. shifting to North at midnight.
Onboard with heavy rain and squalls. Barometer falling.
Ensign C.S. Bookwalter reported for duty from U.S.S.S. Porter. Chas. H. Butler Cl. Geo. reported with bag and hammock for duty U.S.R.S. Vincent.
W.A. Buchmann, Oiler, reported with bag and hammock from U.S.S. Richmond.
At 1st P.M. mustered crew with following absentees; M. Doran, B.M. 2nd Cl.; R.J. Rodgers, O.P.; C. Muller, Hosp. Appr.; P.C. Ringman, L.C. 3rd Cl. returned onboard 7p.m. hours overtime.
W.J. Rodgers returned onboard 22 hours overtime. Crew engaged in securing ship for sea, and cleaning gun deck. Slack high water at 9.55 A.M. and 8.50 P.M.
Slack low water at 4.30 P.M. and 2.22 A.M.
Placed J.F. Bakeman Lds. in single irons for safe keeping over night.
Slack low water at 2.30 P.M. High slack at 7.55 P.M. Lieut. C.M. Bates left ship under orders to proceed to Washington to examination for promotion.
Maximum temp. of magazine 65.

Roger Earle, Ensign U.S.N.

Examined and found to be correct.

E. Ellwyn
Lt Navigator.

4-985

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

Alongside of Dock, Navy Yard Portsmouth N.H. and making passage to Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1					*North*	2			29.82	45	37	37		Ovc.	St.	0	
2					"	2			29.80	46	37	37		"	"	0	
3					"	2			29.79	46	37	37		"	"	0	
4						1			29.77	49	38	37		Ovcd.	"	0	
5					*Calm*	0			29.78	52	37	37		"	"	0	
6					"	0			29.79	54	37	37		Clr	"	0	
7					*West*	1			29.80	54	38	38		"	"	0	
8					"	1			29.80	52	38	38		"	"	0	
9					"	1			29.82	53	39	39		Clr.	Sem	0	
10					"	2			29.81	56	35	33		"	"	4	
11			4.75	*S. by E.*	"	4			29.83	56	46	44	47	"	"	1	*Ab*
Noon.	7	0	11.75	*S. by W.*	*W.N.W.*	4.5			29.83	56	47	44	47	"	"	0	"

Position at 8 A. M.: Latitude by ° ' "
Longitude by ° ' "

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 116.7 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by *D. R.* 41° 45 " *N.*
Longitude by *D. R.* 69° 42' " *W.*

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, 2 tons, 2040 lbs.

Coal remaining on hand at noon, 148 " 805 "

P. M.																	
1	9	1	20.8	*South*	*S.W.*	5			29.85	54	44	40	46	b.c.	Sem.	2	*Ab*
2	9	1	29.8	*S.S.W. 1/2 W.*	"	5			29.91	53	44	40	46	"	"	1	"
3	9	1	37.9	"	"	5.6			29.95	53	43	40	46	o.c.	"	0	*B.*
4	9	1	47.5	"	*S.W. by S.*	6			29.98	52	43	40	46	"	"	0	*Ab*
5	9	1	57.0	*S.S.W.*	*S.W. by S.*	6			30.02	54	43	41	46	"	"	0	"
6	9	1	66.8	*S.S.W. 1/4 W.*	*S.W.*	6			30.06	55	42	41	46	o.c.d.	"	0	"
7	9	1	76.6	"	*S. by E.*	6			30.11	56	42	41	46	ovhd	Sem.	0	"
8	10	1	86.6	"	"	6			30.14	58	42	41	46	o.c.c.	"	0	"
9	9	1	78.0	*S. by W. 1/2 W.*	"	6			30.19	57	43	41	46	o.c.d.	"	0	"
10	9	5	96.2	"	"	6			30.24	58	42	40	46	"	"	0	"
11	9	5	105.7	"	"	5			30.26	58	42	40	46	"	"	0	"
Mid.	9	1	124.3	"	*South*	4.5			30.29	58	42	41	46	b.c.	"	2	"

4—986

under the command of Commander Frank Cowtie , U. S. Navy,

Friday Nov 11, , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 8 A.M.

Generally overcast. Barometer falling until 4 then rising slowly. Light airs at N and Var. Moderate to stiff breze blowing outside from W.S.W. and N.N.W.

8 A.M. to Meridian.

Making preparations for sea. At 9 called all hands to muster. C. Muller (Asst Appr) and M. Dodale B.M. 2nd Cl. were absent overstaying leave. C. Muller (Asst Appr) returned on board at 9.40 - 94 hours over leave and was confined in single irons for safekeeping by order of Comdg Officer, and C.P. Madwell (Machinist) was released from confinement and returned to duty. At 9.30 turned over the engines. At 9.55 called all hands, manned ships; unmoored and left dock at 10.00 Stood out of harbor, command by Comdg. Officer. At 10.25 Whale Back Light boat East distant ½ mile. Put over patent log reading 6. Set course S ½ E. At 10.35 set fore and aft sails, stopped engines at 10.45 to fighting both. Started ahead at 10.55. At 11.00 passed S side of Spar ☆ Nun buoy on port hand. Changed course to S ½ W, took in spanker. At end of watch Cape Ann Lights in sight ¼ point on Starboard bow. Ship heading S ½ W (p.c.) Draft 14' forward, 17' aft. Maximum temperature of magazines 65 forward 64 aft. Tested magazine flood cocks and found them in working order. Average steam pressure 58 lbs. Revolutions 48

A.S. Drexel
Lieut. U.S.N.

Meridian to 4 P.M.

Overcast and cloudy. Fresh breze from N.W. and N.W by N. Barometer rising. At 1.45 P.M. Cape Ann Lights abeam close aboard. Set course S by E ¾ E (p.c.) and set foresail. At 3.00 took in topsail, set and staysail. Steam pressure 61 lbs revolutions 48 ½

A.S. Bockwalter
Ensign U.S.N.

4 to 6 P.M.

Overcast and cloudy. Fresh breze from N.W. to N.N.E. Barometer rising. Moderate following sea. At dark lighted Cape Cod Light 1 point on Starboard bow. At 5.50 Cape Cod Light was abeam distant 2 miles at same time changed course to S.S.E. 1/4 E. Average steam pressure 60 revolutions. At 5.50 changed course to S.S.E.

A.W. Dow
Ensign U.S.N.

6 to 8 P.M.

Overcast with heavy pacing rain squalls. Fresh N by E breeze. Barometer rising. On course S.S.E. 1/4 E. At 6.50 Admitt Beacon was abeam distant 4 ½ miles. Placed by order of Comdg Officer, in solitary confinement and restricted and water for overstaying leave. C. Muller Asst Appr. Average revolutions 54.61 Steam pressure 58 lbs.

Ralph Earle Ensign U.S.N.

8 P.M. to Midnight. Overcast and occasional light rain squalls. Partly clear last hour. Barometer rising rapidly. Fresh breze from N by E. Moderating last hour and backing to N.E. Under steam along. Average steam pressure 55 revolutions 53. At 8.10 changed course to S by E ½ E to light in sight at end of watch.

A.S. Drexel
Lieut. U.S.N.

Examined and found to be correct

E.E. Wright
Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At sea making passage from Portsmouth N.H. to Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in tenths.	State of the Sea.
A. M.																	
1	9	0	33.3	S by E ½ E.	N. ESE	5			30.30	59	43	41	46	o'c	c'm	0	M
2	7	2	41.8	S.W. by W.	"	5			30.34	60	43	41	46	"	"	0	"
3	9	7	51.5	" " "	"	5			30.26	59	43	41	46	"	"	0	"
4	5	5	57.0	W. by N.	"	5			30.28	57	43	41	46	oc	"	0	"
5	5	6	63.6	N.W.	"	3-4			30.42	55	43	41	45	"	Sbu	0	"
6	5	4	69	"	"	4			30.45	55	43	41	51	f-c	"	2	"
7	5	7	74.7	"	"	4			30.48	52	42	40	52	"	"	2	"
8	6	6	81.3	"	"	4			30.51	51	42	39	52	"	"	3	"
9	6	4	87.7	"	N.N.W.	4			30.59	54	41	39	52	"	cu	6	"
10	6	9	94.6	"	"	4			30.57	51	41	39	52	"	cu	8	"
11	7	7	2.3	"	"	3			30.53	49	43	41	52	"	"	8	"
Noon.	8	0	10.3	"	"	3			30.52	49	43	43	52	"	"	8	"

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation 40 ° 57' "N.
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. 70 ° 21' "W

Course made good since preceding noon:

Distance made good since preceding noon: 212 miles.

Distance by Log since preceding noon: 198.6 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 20 tons, 550 lbs.

Coal remaining on hand at noon, 125 " 255 "

P. M.																	
1	8	7	19.00	N. W.	N.N.W.	3			30.52	49	44	40	52	bc	ci	7	M
2	8	0	27	N.W. by W.	N.W. by W.	3			30.51	48	46	42	52	"	"	8	"
3	7	0	35	"	N.W.	3			30.51	47	47	42	51	"	"	8	"
4	8	5	43.5	N. W.	N.W. by W.	3			30.52	46	47	43	51	"	"	6	"
5	4	4	47.9	N. W. by W.	"	3			30.52	48	48	43	51	"	ci	7	"
6	7	1	55.8	"	"	2			30.53	64	46	42	51	"	"	9	
7	Standing into Newport R.I.				"	1			30.52	69	44	40	"	"	9		
8					"	1			30.53	70	44	40	"	"	9		
9				N. W. by W.	"	2			30.57	66	43	39	bc	"	9		
10				N by W.	"	2			30.57	66	42	39	"	ac	8		
11					"	2			30.57	65	41	38	"	"	7		
Mid.				W. by N.	"	2			30.58	64	41	38	"	"	7		

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under the command of Commander Frank Courtis, U. S. Navy,

Saturday, Nov. 12, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M.

Overcast and cloudy. Fresh breze from North. Barometer rising. At 12:30 took sounding 27 fathoms, coarse gravel. At 1:10 P.M. 346 changed course to S. 1/4 W. and at 3:25 sighted Nantucket Light ship and headed for it. Average steam pressure 55 lbs. revolutions 45.6.

C. S. Bottjer
Ensign U.S.N.

4 to 8 A.M.

Cloudy and cool. Gently to moderate breze from N. Barometer rising. At 4 A.M. changed course to N.W. (p.c.) patent log reading 61.5. Lost sight of Nantucket Shoal Light at daylight. Average steam pressure 50. Average revolutions 43.8

W. Parshley
Ensign U.S.N.

8 A.M. to Meridian

Fair and pleasant. Moderate to gentle N.N.W. breeze. Barometer falling slightly. Oppose N.W. (p.c.) At 10. set jib. At 10:45 set main topsail. At 10:45 took in above. Passed black can buoy about 10:30 accidently adrift. Maximum temperature of magazines 66 degrees. Took soundings at 11:00 in 16 fms. gy. sand, at 11:30 in 17 fms. gy. sand. Average steam 54. Average revolutions 46.

Raspb. Carey,
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Gentle N.N.W. to N.W. breeze. Opposed N.W. took soundings at 1 in 17 fms. gy. sand, and at 4 p.m. 14 fms. gy. sand. At 1:30 sighted Sandy Point two points forward of starboard beam, and at 3:30 sighted Block Island on port bow, bearing N.N.W. 1/2 W. Numerous calyonnes upright ahead of watch, ahead and abeam, boys standing to westward. By order of Comdg. Officer Peter N. Helmen (Star) was given an acting appointment as M. at A. 3rd cl. to date from Oct 2, 1898. Av. steam 54 revs. 47

H. G. Dresel
Lieut. U.S.N.

4 to 6 P.M.

Clear and cool. Gentle to light breze from N.W. by W. Barometer rising. Steering various courses into Newport Harbor. Steam 56. Rev. 48.3

C. S. Bottjer
Ensign U.S.N.

6 to 8 P.M.

Clear and cool. Light breze from N.W. by W. Barometer steady. Standing into port first four. At 6:55 let go starboard anchor in 2 fathoms of water and veered to 45 fathoms of chain. Found Buffalo anchored in harbor, and made our number to training station by Very signals. Bearings of anchorage, South end Goat Id. to Goat Id. Light 101° 33' True. 2d Pt. to Rose Id. Lt. 84° 52' Ebb tide. Draft forward 13' 10" aft 16' 8"

W. Parshley
Ensign U.S.N.

8 P.M. to Midnight

Entries read and found to be correct.
E. E. Wright
Navigator.

Fair, mild pleasant. Light W'ly airs. Barometer steady. Began swinging to flood at 11:45

Raspb. Carey,
Ensign U.S.N.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Alt. Dry Bulb.	Alt. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				S.W. by W.	Calm	0			30.56	62	41	39		b.c	S.	3	
2				"	West	1			30.53	69	41	39		"	"	5	
3				W.S.W.	"	3			30.53	61	42	40		"	Scu	1	
4				West	"	1			30.53	62	43	40		"	"	4	
5				"	"	1			30.53	63	43	40		"	S	8	
6				"	"	1			30.53	65	42	40		"	"	8	
7				W.S.W.	Calm	0			30.53	61	43	42		"	Scu	8	
8				S.W.b.S.	"	0			30.50	61	47	45		"	Cu.scu	4	
9				South	S.W.	2			30.51	62	51	47		"	"	4	
10				S.by E.	"	3			30.51	66	51	48		"	N.Cu	7	
11				S.W.	S.S.W.	4			30.56	66	52	48		"	"	3	
Noon.				W.by S.	"	4			30.47	65	53	49		"	"	1	

Position at 8 A. M.: Latitude by ° ' "; Longitude by ° ' "

Position at noon: Latitude by observation ° ' "; Longitude by observation ° ' "; Latitude by D. R. ° ' "; Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: 62 miles.

Distance by Log since preceding noon: 47.1 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "; Longitude by ° ' "

Variation of compass:

Error of compass observed at 7:55 A.M. 1° W.

Deviation of compass on N.E.b.N. 10° E.

Water expended during the preceding 24 hours, 2500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2350 "

Coal consumed during the preceding 24 hours, 6 tons, 660 lbs.

Coal remaining on hand at noon, 121 " 1835 "

P. M.																	
1				S.W.	S.W.	4			30.44	65	52	49		o.c.	acu	0	
2				"	"	4			30.42	64	52	49		"	Scu	0	
3				"	"	4			30.40	63	52	49		"	"	0	
4				"	"	4			30.38	61	52	50		b.c.	.	2	
5				S.W. by S.	"	3			30.36	60	52	50		"	"	1	
6				S.W. by W.	"	3			30.33	63	53	50		"	Cu	2	
7				W.	"	3			30.32	66	53	51		"	cu.scu	2	
8				W.W. by W.	"	3			30.31	68	54	52		b.c	cu.scu	0	
9				W.b.W. by W.	"	3			30.26	66	54	52		"	scu.	0	
10				W.N.W.	"	4			30.24	68	54	52		o.c	"	0	
11				W.W.	"	3			30.22	69	53	51		"	"	0	
Mid.				W. by W.	"	3			30.21	64	52	51		"	"	0	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday Nov 13th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 A.M.

Generally cloudy, cool, Calm and light airs and gentle breeze from West. Swinging to flood tide until 12:30

H G Duvel
Lieut. U.S.N.

4 to 8 A.M.

Clear and pleasant. Light airs from West to Calm. Barometer steady. Carried away training arc on middle + starboard guns, in lowering Steam launch.

C. S. Bottomley
Ensign U.S.N.

8 A.M. to Meridian

Cool, cloudy and pleasant. Light to gentle S.W'ly breeze first part with moderate S.W'ly breeze last part. Barometer falling. At the usual hour at quarters, divine service: M. Dorgan, P.M. 3 cl. At 10:30 held divine service. Commander Courtis made an official visit to the U.S. Training Station on Columbus. M.A. 3 cl. reported, with bag and hammock and necessary transfer papers, and A. F. Merchant, A.M. Note, reported for duty, from U.S.S. Wabash. P.A. Paiker, M.A. 3 cl. was this day detached from duty on board this vessel and ordered to U.S.S. Jupiter, per steamer of the 2nd inst.

Ralph Earle
Ensign U.S.N.

Meridian to 4 P.M.

Overcast, cloudy and cool. Moderate breeze from S.W. Barometer falling. Papers of A.B. Perley S.C. 4th cl. received

C. S. Bottomley
Ensign U.S.N.

4 to 6 P.M.

Cloudy and cool. Gentle S.W. breeze. Barometer falling.

W. R. Rush Allen
Ensign U.S.N.

6 to 8 P.M.

Overcast and cloudy. Light passing rain. Gentle S.W'ly breeze. Barometer falling. Swinging to ebb from 7 to 8.

Ralph Earle
Ensign U.S.N.

8 P.M. to Midnight

Overcast, cloudy and rainy. Gentle to moderate breeze from S.W. Barometer falling.

C. S. Bottomley
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Vessel 3rd Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				S.	S.W.	2			30.18	68	57	57		0 2 1	S.	0	
2				S. by E.	"	1			30.16	68	49	49		"	"	0	
3				S.E.	"	1			30.13	66	49	49		"	"	0	
4				S. by E.	"	1			30.10	64	49	49		"	"	0	
5				S.S.E.	West	1			30.10	62	49	49		"	fair S.	0	
6				S.E.	"	1			30.08	64	49	49		"	clear	0	
7				West	"	1			30.06	67	49	48		"	"	0	
8				S.W.	S.W.	1			30.05	57	49	48		"	clear	0	
9				S.S.W.	"	1			30.05	53	49	48		"	"	0	
10				S.	"	1			30.04	56	50	49		"	"	0	
11				S. by E.	S.	1			30.04	55	51	49		"	"	0	
Noon.				S. by W.	S.S.W.	2			30.00	53	50	49		"	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at P. 56 A. 16 16° 33' W.

Deviation of compass on S.W. by S. 5° 33' W.

Water expended during the preceding 24 hours, 558 gallons.

Water during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 3000 "

Coal consumed during the preceding 24 hours, 2 tons, 545 lbs.

Coal remaining on hand at noon, 119 " 1290 "

P. M.																	
1				S.W.	S.W.	1			29.98	54	52	50		b y s	p.m. S.	1	
2				S.W. by S.	S.S.W.	4			29.97	53	52	50		"	"	1	
3				S.S.W.	"	3			29.97	53	51	49		0 2	"	0	
4					"	4-5			29.99	57	49	46		"	"	0	
5				S.W.	S.W. by W.	4			30.03	54	47	44		b y s	"	2	
6					"	4			30.04	58	46	44		"	"	2	
7				S.W. by W.	S.W.	3			30.05	59	46	44		b.	mist	10	
8				W.S.W.	"	3			30.06	60	45	44		"	"	10	
9				S.W.	"	3			30.07	62	45	43		"	"	10	
10					"	3			30.10	63	44	42		"	"	10	
11				S.W. by S.	S.W. by S.	4			30.12	64	43	41		"	"	10	
Mid.				S.W.	"	4			30.16	63	42	40		"	"	10	

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under the command of Commander Frank Coutts, U. S. Navy,

Monday, Nov 14th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unites 4 A.M.
Overcast and rainy. Light airs, and breeze from N.W.

W. Spencer Allen
Ensign U.S.N.

4 A.M. to Meridian
Overcast, cloudy and cool. Light airs from N.W. to West. Barometer steady. At 7.25 got underway, and at 8.40 moored to buoy, off training station. At 11.30 loosed sails and tiered up awnings. Chaplain Parkhurst on 6 days leave. Surgeon examined men for vaccination.

C. S. Borden Waller,
Ensign U.S.N.

4 to 8 A.M.
Overcast and cloudy. Light N.W'ly and N.W'ly airs. Barometer falling. At 7.00 hove short

Ralph S. Earle,
Ensign U.S.N.

Meridian to 4 P.M.
Overcast and cool, light to moderate breeze from W. and N.N.W. Barometer rising. Furled sail at 3.30. A Board of Survey of which Lieut. J. H. Luby U.S.N. was senior member met on board to survey some articles in ordnance

W. Spencer Allen
Ensign U.S.N.

4 to 6 P.M.
Clear and cool. Moderate N.W'ly breeze. Barometer rising.
By order of Comdg Officer received C. Bullis, Hosp. App. from confinement

Ralph S. Earle,
Ensign.

6 to 8 P.M.
Clear and cool. Gentle breeze from N.W. Barometer rising.

C. S. Borden Waller.
Ensign U.S.N.

8 to Midnight
Clear and cool. Moderate N.W. breeze. Barometer rising.

W. Spencer Allen
Ensign U.S.N.

Examined and found to be correct.

E. Ellsworth
Lt & Navigator.

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LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.				West	N.W.	5			30.7	62	43	41		b.	none	10	
1				W. by S.	"												
2				"	"												
3				"	"												
4				N.W. by N.	"												
5				N.W.	"												
6				W.N.W.	W.N.W.												
7				N.W. by W.	"												
8				"	"												
9				N.N.W.	"												
10				N. by W.	"												
11				"	"												
Noon.				"	"												

Position at 8 A. M. { Latitude by / Longitude by

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R.

Course made good since preceding noon:

Distance made good since preceding noon:

Distance by Log since preceding noon:

Current per hour: miles, set

Position at 8 P. M. { Latitude by / Longitude by

Variation of compass:

Error of compass observed at P. 56 Nov.

Deviation of compass on N.W. 3/4 N.

Water expended during the preceding 24 hours,

Water during the prece

Water remaining on hand fit for use at noon,

Coal consumed during the preceding 24 hours,

Coal remaining on hand at noon,

P. M.																	
1				N.W. by N.	N.												
2				N.	N.												
3				N. by W.	N.N.W.												
4				N.W. by N.	N.												
5				N. by W.	"												
6				"	N.												
7				N. W. N.													
8				N. W. by N.													
9				N.W.	N.												
10				N. by W.													
11				N.W. by W.													
Mid.				N.W.	"		3			30.47	68	43	41		"	10	

Seelpoist L.
Hewes G.
Wilcutte A.J.
Phillips J.L.
Bolster A.H.
Pool C.
Taylor C.
Pippen B.P.
Moon A.J.
Squires A.C.
Gibbs H.H.
Suffield C.H.
Keller G.H.
Locker A.C.
Hickman
No.2 Cahill D.J.
Campbell C.H.
Morgan J.
Daggett R.M.
Dekalack B.
Doctello V.J.
Pinske O.
Leonard G.B.
Stuncomb C.
Platte H.L.
Scott M.C.
Sullivan M.
Supt J.J.
Baker G.L.
Steamboat A.L.
Hefelt G.R.
Toomey H.P.
Allen C.H.
Tucker J.J.
Andrews A.L.
Cotter P.
Bunnendorf C.M.
Vintonet F.
Child D.A.
Hilling H.G.
Child C.A.
Cash H.G.
Edgland J.M.
Price P.M.
Price H.M.
Gity A.
Hoot C.H.
Holt H.H.
Hollum C.
Simmons M.H.
King J.

under the command of Commander Frank Coutts, U. S. Navy,

Tuesday Nov 15, , 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended by A.M.
Clear cold and pleasant Moderate to still A.M. Lower Barometer rising

List

App., 3 class, Nov 15 1898

Murray C.H.	Martelle J.	Knapp C.H.
McBride L.M.	Sanborn B.A.	Morris J.L.
Lonergan C.J.	Hurst G.	Martin W.H.
Hutchinson R.E.	Ingham S.	Ritter P.
Dalzell R.	Powers D.J.	Coll B.
Hutchins R.C.	Kibbel A.	Williamson G.
Krause H.	Smith J.	Flatley T.M.
Cathcart J.O.	Bennett R.	Knowles C.H.
Dawson H.A.	McAuliffe P.J.	Kirk J.J.
Hess C.L.	Nicholetts C.S.	Kemp H.A.
Bagard J.J.	Nelson M.M.	Howard P.
Pollard G.B.	Damon A.J.	Powers J.P.
Gwilliam J.	Hagerty J.	Divine J.J.
Lutz P.	Jones H.C.	Hagadorn G.J.
Dolan C.J.	Rosen G.M.	Fortune H.G.
Ahmund D.	Hoff C.P.	Hebbey G.A.
Birch J.C.	Hollis L.	Winchester H.J.
Prather A.L.	Hutchinson H.P.	Dinsmore L.H.
Stone R.R.	Kaelber A.H.	Lapine J.
Bayard R.	Holmes H.	Yates J.B.
Halliday C.R.	Vaughn A.J.	Heuberger C.
Hershey C.A.	Hopson T.D.	Dix R.
Krieg C.J.	Fisher P.J.	Stromberg L.H.
Robinson C.	Lewis J.W.	Bush P.C.
Smith R.H.	McLaughlin J.D.	Shannon C.H.
King H.R.	Pugsley H.H.	Loring H.L.
Hulst O.C.	Mohan J.J.	Bourke H.C.
Klauk O.H.	Schlinkert H.H.	Page H.J.
Roach P.H.	Halpin J.	Thomas C.
Campbell O.P.	Dillinger E.A.	Disher H.
Volbert A.	Dick C.	Talbot A.

Ralph Earle,
Ensign U.S.N.

Barometer rising.

B.S. Boatswain.
Ensign U.S.N.

Barometer steady
Officer of the Torpedo
Buffalo.

Ensign U.S.N.

Barometer rising.
Special service by order of the
Training Station, with
Boundy, apprentices

Ralph Earle,
Ensign U.S.N.

Barometer steady
Gunnery on duty.

U.S. Boatswain
Ensign U.S.N.

steady

Ensign U.S.N.

rising.

Ralph Earle,
Ensign U.S.N.

S.E. Magill
Lieut. Commander.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				West	S.W.	5			30.17	62	43	41		b.	more	10	
2				W. by S.	"	5			30.22	62	41	39		"	"	10	
3				"	"	4			30.24	61	39	37		"	"	10	
4				S.W. by W.	"	5			30.26	63	38	36		"	"	10	
5				S.W.	"	4			30.31	64	38	37		"	"	10	
6				W.S.W.	W.S.W.	3			30.35	64	38	37		"	"	10	
7				S.W. by W.	"	3			30.37	56	38	37		"	"	10	
8				"	"	3			30.39	53	39	38		"	"	10	
9				S.S.W.	"	3			30.41	54	41	39		"	"	10	
10				S. by W.	"	3			30.43	58	43	40		b.c.	cu.	9	
11				"	"	3			30.41	59	44	41		"	"	9	
Noon.				"	"	3			30.40	61	45	44		"	cu.	8	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at P.56 Sun. 16° 33' W.

Deviation of compass on S.W. 3/4 S. 5° 38' W.

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 118 " 830 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																	
1				S.W. by S.	S.W.	3			30.39	64	48	44		b.c.	Cu. Sc.	8	
2				W.	S. by W.	3			30.40	66	49	44		"	" "	8	
3				W. by S.	S.W. by W.	3			30.41	65	49	45		"	"	7	
4				S.W. by W.	W. by S.	3			30.44	65	50	47		"	"	7	
5				W. by S.	"	2			30.42	68	48	44		"	"	8	
6				West		3			30.42	57	47	44		"	"	9	
7				W.	"	3			30.42	52	45	43		b.	more	10	
8				W.S.W.	"	3			30.42	52	46	44		"	"	10	
9				S.W.	W.S.W.	3			30.44	60	44	42		"	"	10	
10				S.W. by S.	"	3			30.44	64	44	43		"	"	10	
11				S.W. by W.	"	3			30.45	66	44	42		"	"	10	
Mid.				W.S.W.	"	3			30.47	68	43	41		"	"	10	

under the command of Commander Frank Coutts, U. S. Navy,

Tuesday Nov 15, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended by A.M.
Clear, cold and pleasant. Moderate to stiff N.W. by W. breeze. Barometer rising

Ralph Earle,
Ensign U.S.N.

4 to 8 A.M.
Clear and cold. Gentle to moderate breeze from N. to N.N.W. Barometer rising.

A. S. Bodfewallen
Ensign U.S.N.

8 A.M. to Meridian
Clear and cool. Gentle breeze from N. by W. and N. by W. Barometer steady
The Commanding Officer paid a call on the Commanding Officer of the Torpedo Station, and also on the Commanding Officer of the U.S.S. Buffalo.

W. Rhu Sim
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Gentle N.W. by N., N. by W., N.W. by W. & W.N.W. breeze. Barometer rising.
E. Muller, Ord. Sea., was this day discharged from the Naval service by order of the Bureau of Navigation as being undesirable. Received from U.S. Training Station, with bags and hammocks and necessary transfer papers, the following apprentices 3rd class: [list]

Ralph Earle,
Ensign U.S.N.

4 to 6 P.M.
Partly cloudy and cool. Light breeze from W. by N. to West. Barometer steady.
G. P. Denmead, Ldr., left station landed without permission and on duty.

A. S. Bodfewallen
Ensign U.S.N.

6 to 8 P.M.
Cloudy and cool. Gentle breeze from West. Barometer steady

W. Rhu Sim
Ensign U.S.N.

8 P.M. to Midnight
Clear and pleasant. Gentle W.N.W. & W. by N. breeze. Barometer rising.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

S. E. Magruder
Lieut. & Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				S.W.	W.S.W.	3			30.48	63	43	41		b.	nose	10	
2				"	"	2			30.50	71	42	40		"	"	10	
3				S.W. by S.	"	2			30.49	72	42	40		"	"	10	
4				West	"	3			30.50	71	42	40		"	Str.	10	
5				"	"	2			30.53	70	42	41		b.c	"	7	
6				S.W. by W.	"	2			30.58	70	42	40		"	"	6	
7				S.W. by S.	"	2			30.53	61	42	40		"	"	6	
8				"	"	2			30.53	57	42	40		"	ci.	7	
9				S.S.W.	S.W.	1			30.54	60	44	42		"	"	7	
10				S.by W.	Calm	0			30.55	62	46	44		"	"	8	
11				S.W.	S.W. by W.	1			30.55	66	48	46		"	"	7	
Noon.				S.W.	S.W.	1			30.58	70	51	49		"	"	5	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 540 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 1950 lbs.

Coal remaining on hand at noon, 117 " 1120 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																	
1				S.S.W.	S.W. by S.	1			30.52	67	52	48		b.c.	ci	6	
2				"	"	2			30.51	67	51	47		"	"	5	
3				S.W.	"	2			30.50	65	50	47		"	ci cu	4	
4				"	"	2			30.49	65	50	47		"	ci cu str	3	
5				S.W. by W.	W. by S.	1			30.48	69	47	45		"	cu str	3	
6				W.	W.	1			30.49	60	47	46		"	"	6	
7				W. by S.	W. S.W.	1			30.49	63	47	46		"	"	7	
8				S.E. by S.	Calm	0			30.49	64	46	45		"	"	8	
9				"	"	0			30.49	63	44	44		fr		10	
10				S.	"	0			30.49	66	44	43		"		10	
11				S. by W.	"	0			30.49	74	43	43		"		10	
Mid.				"	"	0			30.50	76	44	43		"		10	

4—955

under the command of Commander Frank Coutts, U. S. Navy,

Wednesday Nov 16, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and cool. Gentle to light breeze from N.N.W. Barometer steady.

C. S. Borkwalter.
Ensign U.S.N.

4 to 8 A.M.
Clear and cool. Light N.N.W. breeze. Barometer steady. Matt. Doran, B.M. 2cl, returned from liberty 2 days over leave.

W. Pue Bee
Ensign U.S.N.

8 A.M. to Meridian
Clear and pleasant. Calms and light N.N.W., N.W. by W. and W. by airs. Barometer falling. H. Sinis Jeo 3cl. left ship on leave of absence until the 2nd inst. Drilled apprentices at gun stations and Sailors for fire quarters. C. K. Delmage, Shipwright, was this day given an acting appointment as C.M. 2 cl. to date from Oct 2, 98. Maximum temperature of day 76 minimum 65.

Ralph Earle,
Ensign U.S.N.

Meridian to 4 P.M.
Clear and cool. Light airs to light breeze from S.W. by S. Barometer steady. Received one box ordnance stores.

C. S. Borkwalter.
Ensign U.S.N.

4 to 6 P.M.
Fair and cool. Light variable airs. Barometer steady. Rec'd following stores in Dept. of Q. and S.; 5 bales heavy white underdrawers, 5 bales heavy white undershirts, and 1 box 500 white caps. Rec'd in Dept. of Q. and S. 75 lbs. of pork, head on account of boys mess. U.S.S. Palapatuck went up to Panama station.

W. Pue Bee
Ensign U.S.N.

6 to 8 P.M.
Clear and pleasant. Light W.N.W. W. by airs and calms. Barometer steady. H. B. Harris, C.B., Jeo., and John Dennington, E.M. reported for duty with bag and hammocks, the former from U.S.S. Monitor and the latter from the U.S.S. Wabash.

Ralph Earle,
Ensign U.S.N.

8 P.M. to Midnight
Clear and cool. Calms. Barometer steady.

C. S. Borkwalter.
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				S. by E.	Calm	0			30.52	81	44	43		b.c.	stc.	1	
2				"	S.E.	1			30.52	84	44	44		"	"	6	
3				S.E.	"	1			30.57	82	44	44		o.c.	"	0	
4				S by W.	E by S.	1			30.57	82	44	44		"	"	0	
5				S. by E.	Calm	0			30.49	70	44	43		o.c.	"	0	
6				"	"	0			30.58	76	45	44		"	"	0	
7				E by S.	S.E.	1			30.46	73	45	45		"	"	0	
8				S by E.	"	1			30.45	61	46	45		o.c.	St.	0	
9				S.	S.S.E.	2			30.45	60	46	45		"	"	0	
10				S. by E.	"	2			30.44	68	47	45		c.s.c.	"	0	
11				S.S.E.	E by S.	2			30.41	58	45	47		"	"	0	
Noon.				"	"	2			30.35	60	50	50		c.m.c.	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 1 tons, 104 lbs.

Coal remaining on hand at noon, 116 " 1020 "

P. M.																	
1				S.E. by S.	E.S.E.	2			30.34	60	50	50		c.d.	St.	0	
2				E by S.	"	2			30.33	62	50	50		"	"	0	
3				E by S.	East	2			30.31	62	51	51		o.c.	"	0	
4				S.E. by E.	E.S.E.	2			30.30	62	51	51		"	Cu.	0	
5				S.E. by E.	"	1			30.32	62	50	50		"	"	0	
6				S.E. by E.	"	1			30.32	62	50	49		"	"	0	
7				E by S.	"	1			30.31	62	50	49		"	"	0	
8				E by S.	"	1			30.29	61	49	48		c.c.d.	"	0	
9				S.E.	"	2			30.26	62	49	49		"	St.	0	
10				E.	"	3			30.27	61	49	49		c.c.	"	0	
11				S. by E.	"	2			30.26	70	49	49		c.c.d.	"	0	
Mid.				S. by E.	S.E.	3			30.25	69	49	49		"	"	0	

4—365

under the command of Commander Frank Coutts, U. S. Navy,

Thursday Nov. 17, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy to overcast and cool. Calms and light variable airs. Barometer steady.

A. Purdin
Ensign U.S.N.

4 to 8 A.M.
Overcast foggy with light rain last half. Calms and light N.E'ly and N.W'ly airs. Barometer falling. U.S.S. Buffalo left harbor instow of steg Conjaturck at 7 A.

Ralph Earle
Ensign U.S.N.

8 A.M. to Meridian
Overcast cloudy and rainy. Light breze from N.W. and E'ly. Barometer falling. The following men with bag and hammocks reported from U.S.S. Concord. Jos. Meagher G.M. 2d, M.J. Sullivan, Lds., John Cooper, Lds., Samuel Hutton, Lds., Alfred Duncan, Lds., Chas Cunningham Lds., Ign Bachany, Mess Att., Jas T. Carey, L.S. 2d., David Dessie G.M. 2d, A Pachandy G.M. 2d, For overstaying leave of absence
By order of the Commanding Officer the following punishments were awarded H. J. Stephenson, Cabin cook, 2nd class, C.D. Dunham, Sea., 4th class, T. B. Heyman, Yeom. 4th class, P.G. Rogers A.P. 3rd class, M.D. Ivan B.M. 2d. 4th class and C.K. Coleman G.M. 2d, 2nd class. Received on board $20,000 in gold coin.

C. S. Brotherton.
Ensign

Meridian to 4 P.M.
Overcast and rainy. Light breze from E.N.E and East. Barometer falling slowly. The Inspector General of the Pay Corps, Pay Director Crosby, came on board and held an inspection of the accounts of P.A. Paymaster A.G. Nymmo U.S.N. By order of the Department, Chatham, Geo. 3d, was transferred to the U.S.S. Abarack. The following men reported on board from the U.S.S. Franklin with necessary papers & Chest, B.M. 2d, W.H. Nute, Cox.

A. Purdin
Ensign U.S.N.

4 to 8 P.M.
Overcast and cloudy with drizzling rain. Light airs from E.N.E.
Barometer steady.

C. S. Brotherton.
Ensign U.S.N.

8 P.M. to Midnight
Overcast and rainy. Light airs to gentle breze from E.N.E. Barometer falling.

A. Purdin
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lt. & Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.																	
1				S.S.E	S.E	3			30.25	64	49	49		ord	St	0	
2				"	"	3			30.24	64	49	49		"	"	0	
3				"	"	4			30.24	64	49	49		"	"	0	
4				"	S.S.E	4			30.22	64	49	49		"	"	0	
5				"	S.S.E	4-5			30.20	67	49	49		clr.	"	0	
6				"	"	4-5			30.18	70	49	49		"	"	0	
7				"	"	3-5			30.17	70	49	49		"	"	0	
8				"	"	3-5			30.16	66	49	49		"	"	0	
9				"	"	3			30.15	63	49	49		"	+	0	
10				"	"	3			30.14	61	50	50		"	"	1	
11				"	"	2			30.13	63	51	51		"	"	1	
Noon.				"	"	2			30.13	65	51	51		"	"	1	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 570 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 12.00 "

Coal consumed during the preceding 24 hours, 1 tons, 85 lbs.

Coal remaining on hand at noon, 115 " 935 "

P. M.																	
1				S.S.E.	S.	2			30.09	63	51	50		clr	S.cu.	0	
2				S.S.E.	"	2			30.09	64	51	50		"	"	0	
3				S.S.E.	"	2			30.09	65	51	50		"	"	0	
4				S.S.E.	"	2			30.07	65	50	49		"	"	0	
5				East	"	2			30.06	64	49	49		"	"	0	
6				S.E.	"	1			30.05	67	49	48		"	"	0	
7				S.S.E.	S.E	1			30.07	67	48	48		"	"	0	
8				S.S.E.	S.S.E	1			30.06	66	48	48		"	"	0	
9				S.S.E.	S.E	2			30.04	64	48	48		clr	Sc.	0	
10				S.S.E.	S.E	2			30.00	62	47	46		ord	"	0	
11				S.S.E.	"	2			29.96	64	47	46		"	S.	0	
Mid.				S.S.E.	"	2			29.94	66	47	46		"	"	0	

4—955

under the command of Commander Frank Coontz, U. S. Navy,

Friday, November 5, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and quintel 4 A.M.
Overcast cloudy, with light rain. Gentle N.E'ly breze first part, and moderate N.E'ly and N.N.E'ly breze last part. Barometer falling.

Ralph Earle.
Ensign U.S.N.

4 to 8 A.M.
Overcast and cloudy. Moderate breze from N.N.E. Barometer falling

C. S. Bootswalter.
Ensign U.S.N.

8 A.M. to Meridian
Overcast and cool. Gentle to light N.N.E breze. Barometer falling. Maximum temperature of magagines 65. Tested magazine flood cocks and drains and found them in good condition. Delivered to C.K. Colman, Asst. Engr., a memorandum appointment as Mach. 2cl. At 7.30 mustered at quarters after which had short instruction. G.F. Hakeman (Cdt.), absent without leave.

W. Kurtz
Ensign U.S.N.

Meridian to 4 P.M.
Overcast and cloudy. Light N'ly breze. Barometer falling

Ralph Earle.
Ensign U.S.N.

4 to 6 P.M.
Overcast and cloudy. Light breze to light airs from South. Barometer falling.

C. S. Bootswalter.
Ensign U.S.N.

6 to 8 P.M.
Overcast and cool. Light N.E. airs and calms. Barometer falling slowly.

W. Kurtz
Ensign U.S.N.

8 P.M. to Midnight
Overcast, cloudy, with fog, and light rains. Light N'ly and N.E'ly breze. Barometer falling.

Ralph Earle.
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Navigator.

LOG of the UNITED STATES Training Ship Essex 4th Rate,

At anchor Newport R. I.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.																	
1				North	E.N.E.	1			29.89	67	46	46		0 c v	N.	0	
2				N.N.E.	"	2			29.84	69	47	47		"	"	0	
3				N.E by E.	"	1			29.80	70	47	47		"	"	0	
4				N.E by N.	N.E.	1			29.76	70	47	47		"	"	0	
5				N. by E.	"	1			29.72	70	47	47		"	"	0	
6				N.E.	"	1			29.68	71	47	47		"	"	0	
7				"	"	1			29.62	70	48	48		c c d	"	0	
8				"	"	1			29.67	64	48	48		"	"	0	
9				N. by E.	E. N. E.	2			29.64	59	49	49		c v	"	0	
10				N.N.E.	N.N.E.	2			29.55	62	49	49		"	"	0	
11				N.E.	"	3			29.55	62	49	49		"	"	0	
Noon.				N.N.E.	"	2			29.55	62	49	49		c d	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 150 "

Water remaining on hand fit for use at noon, 850 "

Coal consumed during the preceding 24 hours, 1 tons, 610 lbs.

Coal remaining on hand at noon, 114 " 325 "

P. M.																	
1				N. by E.	N.N.E.	3			29.49	61	47	47		c d	N.	0	
2				"	"	4			29.47	61	47	47		"	"	0	
3				N. 1/2 W.	N.	5			29.47	59	45	45		"	"	0	
4				"	"	5-5			29.48	58	46	45		"	"	0	
5				N. by W.	"	3-4			29.52	62	46	45		c c d	"	0	
6				N. by W.	"	3-4			29.53	61	45	44		"	"	0	
7				N.W.	N.N.W.	3-4			29.5562		44	44		"	"	0	
8				"	N.W.	3-4			29.5562		45	44		"	"	0	
9				"	"	3			29.59	63	46	46		"	"	0	
10				"	"	3-2			29.59	65	46	46		"	"	1	
11				"	"	3-5			29.62	65	47	47		"	"	2	
Mid.				N.N.W.	N.N.W.	3			29.63	66	47	47		b c.	"	2	

4—965

under the command of Commander Frank Coontz, U. S. Navy,

Saturday Nov 19, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.

Overcast, cloudy, and rainy. Light airs to light breeze from S.E. to N.E. Barometer falling.

C. S. Bootswalter.
Ensign U.S.N.

4 to 8 A.M.

Overcast and cool. Light S.E. airs. Barometer falling rapidly. Rec'd in Dept. of Lands & the following fresh provisions 156 lbs. of soft bread, and 195 lbs. each of beef and vegetables. Maximum temperature of magazine 66.

Wm. Kerr
Ensign U.S.N.

8 A.M. to Meridian.

Overcast, cloudy, and rainy. Light S.E. & E. breeze first hour followed by light to gentle S.E. by E. breeze. Barometer falling. Lieut. C.M. Fahs returned from board upon examination for promotion. C.E. Coleman, C.M.2 cl., received permanent appointment as C.M. 2 cl. dated Nov. 17 and was given an acting appointment as C.M. 1 cl. to date from Nov. 18. W. J. Silva, Qd., was given an acting appointment as S.C. 4 cl., to date from Nov. 10, 1898.

Ralph Earle,
Ensign U.S.N.

Meridian to 4 P.M.

Overcast and rainy. Fresh breeze from S.S.E. to S. by E.

C.M. Fahs
Lieut U.S.N.

4 to 8 P.M.

Overcast, cloudy, and rainy. Gentle to moderate S. by E. shifting to S.S.W. and S.W. by W. breezes. Barometer rising.

Ralph Earle,
Ensign U.S.N.

8 P.M. to Midnight

Overcast and rainy, clearing slightly toward end. Moderate to gentle breeze from S.W.

C.M. Fahs
Lieut U.S.N.

Examined and found to be correct.

E.E. Wright
Lt. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.																	
1				S.S.W.	S.S.W.	3-5			29.67	64	48	47		b.c.g.	A.	0	
2				"	"	3-5			29.70	63	49	48		"	"	0	
3				S.W.	"	3-5			29.75	66	48	47		b.c.g.	"	7	
4				"	"	3-5			29.77	65	48	46		s.c.g.	"	0	
5				"	"	3-5			29.86	63	48	46		f.c.	p.cu.	3	
6				"	"	2-4			29.87	63	48	46		"	"	2	
7				"	S.W.	2			29.88	64	48	46		"	"	3	
8				"	"	2			29.88	64	49	47		"	pi.cu.	4	
9				S.S.W.	"	3			29.89	56	50	47		"	Str.	3	
10				"	"	3			29.89	65	50	47		"	cu.	5	
11				"	"	3-6			29.91	62	51	47		b.c.g.	"	5	
Noon.				S.W. by W.	"	3-5			29.92	62	51	47		"	"	5	

Position at 8 A. M.: Latitude by ° ' "

Longitude by ° ' "

Position at noon: Latitude by observation ° ' "

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at 3.04 P.M. 12° 26' W.

Deviation of compass on S.by W. 1/2 W. 1° 26' W.

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, 1750 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 1 tons, 2210 lbs.

Coal remaining on hand at noon, 112 " 355 "

P. M.																	
1				S.S.W. by S.	S.W. by S.	6			29.93	64	52	47		b.c.	Cu.cu.	6	
2				"	"	5-6			29.95	64	52	48		"	"	8	
3				"	"	5-6			29.99	65	52	48		"	"	8	
4				S.S.W.	S.S.W.	5			30.02	64	52	48		"	"	8	
5				"	"	4-5			30.05	63	49	47		"	"	7	
6				S.W. by S.	"	2-5			30.09	64	49	46		"	"	7	
7				S.S.W.	"	2-3			30.12	66	49	47		"	"	7	
8				"	"	4-5			30.19	69	47	44		"	"	7	
9				"	"	5			30.20	66	48	43		"	pi.cu.	9	
10				"	"	4			30.25	66	44	42		"	"	9	
11				"	"	3			30.25	68	44	41		b	nim.	10	
Mid.				"	"	3			30.25	68	43	41		"	"	10	

under the command of Commander Frank Coutts, U. S. Navy,

Sunday, Nov. 20, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast, cloudy and squally. Gentle to stiff breeze from N.N.W. Barometer rising.

C. S. Bookwalter,
Ensign U.S.N.

4 to 8 A.M.
Fair and pleasant. Gentle to stiff N.N.W'ly breeze with light N.W'ly breeze last part. Barometer rising

Ralph Earle,
Ensign U.S.N.

8 A.M. to Meridian
Fair and cool. Gentle to fresh breeze from N.W. by N. to N.N.W. Hegley, Chas. H., who was transferred to this ship from the U.S.S. Belmont, reported on board with his bag and hammock. At 9.30 the Commander inspected the crew at quarters and the ship. At 10.30 the Chaplain held divine service

C. M. Fahs
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and cool. Stiff breeze from N.W. by N. to N.N.W. Barometer rising. A. Connelley, L.S. 2 cl., reported from U.S.S. Wabash.

C. S. Bookwalter
Ensign U.S.N.

4 to 8 P.M.
Fair and cool. Moderate to stiff breezes from N.N.W.

C. M. Fahs
Lieut. U.S.N.

8 P.M. to Midnight
Partly cloudy and cool. Stiff to gentle breeze from N.N.W. Barometer rising

C. S. Bookwalter,
Ensign U.S.N.

Examined and found to be correct.

E. E. Wood
Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	State of the Sea.
A. M.																	
1				S.W. by S.	S.W.	2			30.29	69	47	45		b.	none	10	
2				"	"	1			30.31	71	47	46		"	"	10	
3				"	"	1			30.31	72	47	46		"	"	10	
4				"	"	1			30.32	72	40	39		"	"	10	
5				S.W.	"	2			30.34	69	40	38		"		10	
6				"	"	2			30.37	68	39	38		"		10	
7				W. by S.	"	2			30.37	44	39	38		b.p.	S.	9	
8				"	"	1			30.38	46	40	39		b.		10	
9				S. by W.	S.	1			30.42	58	45	44		"	"	10	
10				"	"	1			30.42	62	43	42		"		10	
11				S. 3/4 E.	S. by E.	1			30.42	61	44	43		"	"	10	
Noon.				S. by W.	S.	1			30.42	63	47	44		"	"	10	

Position at 8 A. M.: Latitude by ° ' "
Longitude by ° ' "

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 540 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 2135 lbs.

Coal remaining on hand at noon, 110 " 4600 "

P. M.																	
1				S.E.	S.S.E.	2			30.41	68	46	43		hzy	none	10	
2				S.	Calm	0			30.43	72	47	45		"	"	10	
3				S.W.	S.W.	2			30.45	73	50	47		"	"	10	
4				W. by W.	"	2			30.45	70	50	47		"	"	10	
5				W.S.W.	"	1			30.46	63	47	45		b.	"	10	
6				S.W.	W.	1			30.48	68	46	44		"	"	10	
7				S.W.	"	1			30.50	69	45	44		"	"	10	
8				S.W.	Calm	0			30.49	64	44	43		"	"	10	
9				S.	"	0			30.48	58	42	41		"	"	10	
10				S.S.E.	"	0			30.47	59	41	40		"	"	10	
11				S.W.	S.W.	1			30.48	60	41	40		"	"	10	
Mid.				W.S.W.	"	1			30.48	58	41	40		"	"	10	

4—265

under the command of Commander Frank Coutts, U. S. Navy,

Monday, Nov. 21, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and cool. Light N.E. breze. Barometer rising

W. Fenn Jr
Ensign U.S.N.

4 to 8 A.M.
Clear and cold. Light N.E. breze

C. M. Johns
Lieut U.S.N.

8 A.M to Meridian
Clear and pleasant. Light variable airs. Barometer steady. Quarters for inspection at 9.30. G.F. Hakeman, Lds, absent without leave. John Davis, Ord Seaman absent on leave. P. Jimie, Coxsn., returned from 5 days leave. Stationed exercising yards and instructed boys on gear for two hours. Rice steering rope on steam cutter carried away.

C.S. Boopwatter
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light variably airs. Barometer rising. J. Grindlay, Lds., was transferred to U.S.S. Wabash by order of Bu. of Nav. J.C. Davies, Boatswain, returned from liberty 5 hours overtime. Hoisted Mail.

W. Fenn Jr
Ensign U.S.N.

4 to 8 P.M.
Clear and cool. Light airs from West. Barometer rising

C.S. Boopwatter
Ensign U.S.N.

8 P.M to Midnight
Clear and cool. Calms and light N.W. airs. Barometer steady.

W. Fenn Jr
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,
At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in the Sea.	State of the Sea.
A. M.																	
1				S. by E.	S.E.	1			30.48	58	41	41		b. mist	none	10	
2				S.E. by S.	"	2			30.48	64	40	40		"	"	10	
3				S.	S.S.E.	1			30.49	68	39	38		"	"	10	
4				"	"	1			30.50	68	38	38		b. mi.	"	10	
5				"	"	1			30.49	68	38	36		b.		10	
6				S.S.E.	"	1			30.49	68	38	37		"		10	
7				"	"	1			30.48	68	38	37		"		10	
8				"	"	1			30.48	68	39	37		b.c.	cu	7	
9				S. by E.	"	1			30.47	60	41	40		o.v.m	S.cu	0	
10				"	"	2			30.46	59	43	42		"	"	0	
11				S. by E.	"	2			30.45	59	44	42		o.v.	"	0	
Noon.				S.S.E.	"	2			30.44	60	44	42		"	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 1 tons, 660 lbs.

Coal remaining on hand at noon, 108 " 2040 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in the Sea.	State of the Sea.
P. M.																	
1				S. by E.	S.E.	2			30.39	57	44	42		o.c.	Scu.	0	
2				E.S.E.	"	2			30.39	58	44	42		"	"	0	
3				S. by E.	S.S.E	2			30.37	57	44	42		"	"	0	
4				"	"	2			30.37	57	44	43		"	"	0	
5				"	"	2			30.34	58	41	40		"	"	0	
6				S.S.E.	S.E	2			30.35	57	41	40		"	"	0	
7				S.E.	"	2			30.34	62	41	40		"	"	0	
8				E.	"	2			30.34	63	40	39		"	"	0	
9				E.S.E.	"	1			30.34	63	40	39		"	"	0	
10				S. by E.	"	1			30.32	62	40	39		"	"	0	
11				"	Calm	0			30.32	62	40	40		"	"	0	
Mid.				"	S.	1			30.32	62	40	40		"	"	0	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday Nov 22, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and quite by A.M.
Clear and pleasant Light N. Ely and N.N.E. airs and breeze Barometer rising.

Ralph Earle,
Ensign U.S.N.

4 to 8 A.M.
Clear and cold Light airs from N.N.E. Barometer steady.

C. S. Borgwaldt
Ensign U.S.N.

8 A.M. to Meridian
Overcast and cool. Light N.N.E. breeze. Barometer falling slowly. At 9.30 mustered at quarters. Absentees as follows. P.M. Edwards Yde, absent without leave. O'Neil, Jas, absent on shore leave. After muster held divisional drills. Clay, Jerman & Hecker returned from leave of absence. Maximum temperature of magazine 65

Wilkerson Clay
Ensign U.S.N.

Meridian to 4 P.M.
Overcast and cool. Light N. Ely and N.N.E. breeze. Barometer falling. Received about 2000 gallons of fresh water for boiler feed U.S. Training Station Stationed crew & abandon ship.

Ralph Earle,
Ensign U.S.N.

4 to 8 P.M.
Overcast and raw Light breeze from N.N.E. and N.E. Barometer steady

Wilkerson Clay
Ensign U.S.N.

8 P.M. to Midnight
Overcast and cool. Calms and light variable airs. Barometer falling

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut. & Navigator.

4-865

LOG of the UNITED STATES Training Ship Essex 2d Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.				East	Calm	0			30.32	69	40	39		Fe	Cu	0	
1				S.by E.	S.ESE	2			30.26	59	45	43		Fe	Cu-Cu	6	
2				S.E. by E.	S.S.E.	2-3			30.32	76	49	39		"	Cu	9	
3				S.S.E.	S.E.	3-2			30.25	57	45	44		"	"	9	
4				"	"	2			30.31	69	45	39		"	"	9	
5				"	"	3			30.25	57	45	44		"	"	6	
6				"	"	2-3			30.31	68	49	38		Fe	Cu-St	8	
7				"	"	2			30.25	57	45	44		"	Cu	0	
8				"	"	1			30.30	67	45	44		"	Cu-Cu	0	
9				"	"	3			30.26	54	44	43		"	"	0	
10				S.E. by E.	"	2			30.21	69	50	42		Fe	"	0	
11				S.by E.	S.E.	3			30.26	55	44	43		"	"	0	
Noon.				S.E. by E.	"	1			30.27	54	46	43		"	"	0	
				S.E.	"	3			30.23	53	46	43		Fe	"	0	
				S.E. by E.	"	1			30.27	54	44	40		"	"	0	
				S.	"	2			30.2	53	44	43		"	"	0	
				S.	"	2			30.16	54	44	43		"	Cu	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, 1 tons, 466 lbs.

Coal remaining on hand at noon, 107 " 1585 "

P. M.																	
1				S.by E.	S.E. by E.	S.S.E.	3		30.25	57	44	43		Fe	Cu	0	
2				S.by E.	"	"	3		30.14	54	45	44		Fe	Cu-Cu	6	
3				S.E. by E.	"	South	3		30.24	54	46	45		Fe	"	0	
4				S.E.	"	"	3		30.13	54	46	45		Fe	"	0	
5				S.by E.	"	"	2		30.24	54	45	45		Fe	"	0	
6				S.E. by E.	"	"	3		30.07	54	45	45		Fe	"	0	
7				S.E.	"	"	3		30.00	55	45	43		Cu-Cu	"	0	
8				S.E. by E.	"	"	3		30.05	57	45	45		Cu-Cu	"	6	
9				S.by E.	Calm	S.S.E.	3		30.02	56	44	43		"	Cu-Cu	6	
10				S.E.	S.E.	S.E.	3-4		30.02	53	44	44		"	"	0	
11				S.E.	S.E. by E.	South	3		30.02	53	40	44		"	"	0	
Mid.				S.	"	"	4-5		30.01	58	37	39		"	"	8	
							5-6		30.01	49	36	34		Fe	"	2	

4—265

A mistake was made in copying the page.
The corrections are in red ink. D. Allen Lt
Clerk

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, November 23, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M.
Overcast and cloudy. Calm first hour. Light airs and breezes from N. to N.E.

Chas Bates
Lieut U.S.N.

4 to 7 A.M.
Overcast and cloudy. Raw light N.N.E. breeze and airs. Barometer rising. Daniel McLean, Jr. M.A., J. Hibbits, Soapkpr, reported on board for duty from U.S.R.S. Vermont

J. Edwin
Ensign U.S.N.

7 A.M. to Meridian
Overcast and cloudy. Light N.N.E. airs and breezes. Barometer falling. At 9.30 mustered and inspected at quarters. Absentees W. H. Hazenwinkle, absent without leave. O. Kohl, Sea., absent, sick leave. Crossed topgallant yards. Maximum temperature of magazine 65°

Ralph Earle
Ensign U.S.N.

Meridian to 4 P.M.
Overcast and cloudy. Light airs from N.N.E. to North. Sent a liberty party ashore

Chas Bates
Lieut U.S.N.

4 to 8 P.M.
Cloudy and cool. Light N.W. airs and calms. Barometer rising. J. T. King S.C.+el., W. Thornton Lab., F. W. Clark, Shipwright, reported for duty from the U.S.R.S. Wabash

Ralph Earle
Ensign U.S.N.

8 P.M. to Midnight
By order of the Commanding Officer placed C. H. Coleman, C. Bzel, and W. L. Burke, Blacksmiths, in the cells for the night pending investigation as to them being under influence of liquor and giving liquor to the apprentices

Chas Bates

Examined and found to be correct.

E. E. Wright
Lt. & Navigator.

4-869

LOG of the UNITED STATES — Training Ship Essex — 3d Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Depth of Other Sea, in Lines.	State of the Sea.
A. M.																	
1				S by E	S.	2			30.26	59	45	45		b.c.	c.cu.	6	
2				S.S.E	S.S.E	3-5			30.25	57	45	44		"	"	6	
3				"	"	3-2			30.25	57	46	44		"	"	6	
4				"	"	3			30.25	57	45	44		"	"	6	
5				"	"	2-3			30.25	57	45	44		b.c.	"	3	
6				"	"	3			30.25	57	45	44		"	Strat	0	
7				"	"	3			30.25	57	45	44		"	"	0	
8				"	"	3			30.26	54	44	43		"	"	0	
9				S by E.	"	3			30.26	53	44	43		o.c.m.c.	"	0	
10				"	"	3			30.25	53	44	43		"	"	0	
11				S.S.E.	"	3			30.21	53	44	43		"	"	0	
Noon.				"	"	3			30.19	54	44	43		"	"	0	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, 1 tons, 455 lbs.

Coal remaining on hand at noon, 106 " 1095 "

P. M.																	
1				S.S.E	S.S.E	3			30.15	54	44	43		o.c.d.	S.	0	
2				S by E.	"	3			30.14	54	45	44		o.c.m.	"	0	
3				S by E.	"	3			30.14	55	46	45		"	"	0	
4				S.E	"	3			30.13	54	46	45		"	"	0	
5				S.	"	2			30.07	56	45	45		o.c.	"	0	
6				S. by E	"	3			30.06	54	45	45		o.c.d	"	0	
7				S.	"	3			30.05	57	45	45		o.c.n.g.	"	0	
8				"	"	3			30.02	57	44	41		"	"	0	
9				S.S.E.	S. by E.	3-4			30.02	56	44	44		"	"	0	
10				"	"	4-5			30.02	56	40	39		"	"	0	
11				S.	"	5-6			30.01	53	37	34		o.c.g.	"	0	
Mid.				"	"	5-6			30.01	49	36	33		b.c.	"	2	

4—285

under the command of Commander Frank Courtis, U. S. Navy,

Thursday November 4, 1897.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended A.M.
Partly cloudy and cool. Gentle breeze from N. to N.N.E. Barometer steady.

L. S. Bodfwalter
Ensign U.S.N.

4 to 8 A.M.
Overcast and cloudy. Light to gentle N. by breeze. Barometer rising. Maximum temperature of magazine 65°

Royden Earle
Ensign U.S.N.

8 A.M. to Meridian
Overcast and cloudy. Raw and misting. Gentle N.N.E. breeze. By order of the Commanding Officer released C.K. Grundy C.M.2d. after his case was investigated and by the same authority placed H. Rourke, Blacksmith, in cell for 5 days solitary confinement on bread and water for being under the influence of liquor on board ship and placed A. J. Hewitt, Ord. Sea. 3d., in cell for 2 days solitary confinement on bread and water for being under the influence of liquor. Ord. Sea. 3d. inspected at quarters. Hamilton, H.G. Ackerman, Ldr., O. Kohl, Ldr., P.A. Gilsey, Sea., R. Becker, Ord., F.J. Batey, Fird., P.A. Gilsey, Sea., R. Becker, Ord., and F.J. Batey, Fird., returned on board, each 2 hours over liberty

Chas Jacobs
Lieut U.S.N.

Meridian to 4 P.M.
Overcast, cloudy and rainy. Gentle breeze from N.N.E. Barometer steady. Sent liberty party ashore

L. S. Bodfwalter
Ensign U.S.N.

4 to 7 P.M.
Overcast and raining greater part. Gentle N.N.E. breeze

Chas Jacobs
Lieut U.S.N.

8 P.M. to Midnight
Overcast, raining and cloudy with moderate squalls. Moderate to fresh breeze from N.N.E. to N. by W. Barometer falling.

L. S. Bodfwalter
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

4—325

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor at Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				S.S.W.	S.S.W.	4-5			30.01	54	37	36		b.c.	b.cu	0	
2				"	"	4-5			30.04	55	38	35		"	"	0	
3				S.W.	S.W.	5			30.06	54	35	34		b.c.	"	1	
4				"	"	4			30.06	52	35	34		"	"	3	
5				"	"	4			30.07	50	33	32		"	"	8	
6				"	"	4			30.09	47	32	31		"	f.cu	9	
7				S.W. by S.	"	4			30.12	44	32	31		"	"	9	
8				"	"	4			30.15	44	32	31		"	"	6	
9				S.W.	"	6			30.21	45	34	32		"	"	9	
10				"	"	7			30.23	48	34	32		"	"	9	
11				W.S.W.	S.W. by S.	7			30.26	50	35	32		"	"	9	
Noon.				"	"	7			30.24	49	36	33		"	"	9	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 580 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 900 "

Coal consumed during the preceding 24 hours, 1 tons, 635 lbs.

Coal remaining on hand at noon, 105 " 460 "

P. M.																	
1				S.W. by S.	S.W.	4-5			30.24	47	36	33		b.c.	f.cu	9	
2				S.W.	"	4-5			30.25	47	36	33		"	"	9	
3				"	"	4-5			30.27	47	36	33		"	"	9	
4				"	"	4-5			30.30	47	36	33		b.c.	"	9	
5				"	"	4			30.34	44	33	30		"	"	9	
6				"	"	4			30.35	44	33	29		"	"	9	
7				"	"	3			30.38	44	30	28		"	"	9	
8				"	"	3			30.38	44	30	28		"	"	9	
9				W.S.W.	W.S.W.	3			30.40	44	30	28		"	"	9	
10				S.	S.	2-3			30.42	44	30	28		"	"	9	
11				S.W. by S.	"	2			30.43	32	30	27		"	"	9	
Mid.				"	"	2			30.44	32	29	26		"	"	9	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, Nov. 25, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M.

Overcast and cloudy, showing signs of clearing, somewhat foggy and of water. Cold, moderate to stiff breeze from N. by E. Barometer rising.

W. R. Rhea
Ensign U.S.N.

4 to 8 A.M.

Clear and cold. Moderate N. W. breeze

C. W. Parks
Lieut. U.S.N.

8 A.M. to Meridian

Clear and cold. Stiff to fresh breeze from N. W. to N. W. by N. Barometer rising. Mustered at quarters at 9.36 and exercised at fire quarters. The following men were absent overtime: O. Ord, Sea., E. Mitchell, Ldr., C. Emmanuel, Ldr., T. Long, B. Mate, J. H. Case, Yeoman, G. Meagher, F. Nye, Jas. Roach, Painter, J. Bigham, Sea., D. Brosie, G. Rose, T. Sherry, C. P., E. C. Bowen, C. P., J. Murray, Sea., H. T. Merchant, S. K. M., Absent without leave. J. H. Hakeman, Ldr.

C. Christensen, Sea., returned from liberty and was placed in charge of M. A. A. for safe keeping. The following men returned from liberty overtime; J. H. Case, 1 hour, 2 p. hours, Jas. Roach, Painter, 2½ hours, T. Sherry, C. P., 2½ hours, C. J. Bowen, C. P. 2½ hours, J. J. Murray, Sea., 2½ hours, and H. T. Merchant, S. K. M., 3 hours. By order of the Commanding Officer the following punishments were awarded: C. Eich, Apr. 3d, C. F. Thomber, Apr. 3d, T. J. Costello, Apr. 3d, O. Hunt, Apr. 3d, late hammocks to be called at 5.30 P.M. for 10 days. John Davis, Blacksmith, 3 hours over leave, 2nd Class Edw. Hammer, B. M. 2c, two days to Officer of the Deck, 10 days double jobs, P. A. Nelsen, Sea., R. Becker, Cox., H. J. Bates, Sea., 2½ hours over liberty 2nd class. By order of Commanding Officer no more beer is to be allowed. Tested, main gangway, decks.

C. S. Bostwaltes
Ensign U.S.N.

Meridian to 4 P.M.

Clear and cold. Moderate to stiff N. W. breeze. Barometer rising. T. J. Long, B. Mate returned from liberty tight and liquor in his possession and by order of the Commanding Officer was placed in double irons to await further action. The following men returned from liberty overtime; J. J. Bigham, Sea, 6½ hours, C. E. Mitchell, 9 hrs. The Commanding Officer made a call on the Training Station, Division Officers instructed divisions in seamanship. By order of Commanding Officer, cleared C. Christensen, Sea., from M. A. A. charge.

W. R. Rhea
Ensign U.S.N.

4 to 8 P.M.

Clear and cold. Moderate to gentle breeze from N. W. Barometer rising.

C. S. Bostwaltes
Ensign U.S.N.

8 P.M. to Midnight.

Clear and cold. Light to gentle breeze from N. N. W. Barometer rising slowly.

C. S. Bostwaltes Ensign U.S.N.
Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				N.N.E. by E.	N.E.	2			30.46	44	27	25		b.	none	10	
2				"	"	2			30.42	44	27	26		b.c.	ci.	6	
3				N.E.	"	1			30.42	44	28	26		"	"	8	
4				E.	"	1			30.43	44	28	26		"	"	8	
5				"	"	2			30.43	44	28	26		"	b.	7	
6				"	"	1			30.43	44	28	26		"	cu.b.	5	
7				N.N.E.	"	1			30.41	45	28	27		"	ci.s.	5	
8				"	"	1			30.39	46	27	27		c.c.	a.s.	0	
9				"	"	1			30.40	46	28	27		"	"	0	
10				Various	N.	1			30.39	46	32	30		"	"	0	
11				E. by N.	"	1			30.30	46	32	30		"	"	0	
Noon.				"	"	1			30.26	46	32	30		"	"	0	

Position at 8 A. M.: Latitude by ° ' "

Longitude by ° ' "

Position at noon: Latitude by observation ° ' "

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 100 "

Water remaining on hand fit for use at noon, 600 "

Coal consumed during the preceding 24 hours, 1 tons, 435 lbs.

Coal remaining on hand at noon, 104 " 25 "

P. M.																	
1				E. by N.	N.	1			30.21	46	33	31		c.c.p.	cu.s.	0	
2				"	N.E.	2			30.17	46	33	31		"	2 Nim.	0	
3				"	E. by N.	2			30.11	41	34	32		"	"	0	
4				E.	N.E.	3			30.07	40	34	33		"	Nim.	0	
5				"	"	3			30.02	39	34	33		"	"	0	
6				N.E.	"	2.5			29.98	37	33	33		"	"	0	
7				"	"	2.4			29.96	41	33	33		"	"	0	
8				"	"	2.4			29.94	43	33	33		"	"	0	
9				"	"	4			29.82	42	33	33		"	"	0	
10				N.N.E.	"	5			29.72	42	34	33		"	"	0	
11				"	"	6			29.61	42	35	35		"	"	0	
Mid.				"	"	8			29.50	42	35	35		"	"	0	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, Nov 26, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and cold. Light N.W. by breeze and airs. Barometer fell slightly.

Ralph Earle,
Ensign U.S.N.

4 to 8 A.M.
Clear and cold. Light airs from N.W. Barometer steady.

C. S. Borrowalter,
Ensign U.S.N.

8 A.M. to Meridian
Overcast and raw. Light variable airs and calms. Barometer steady. By order of the Commanding Officer released from confinement, T. Long, B.M. 1c., and H.J. Shipple, Apl 3c. T. Long, B.M. 1c. was demoted to B.M. 2c. for attempting to smuggle liquor. At 8 P.M. 15 hoisted ship to dry.

H. Shipple
Ensign U.S.N.

Meridian to 4 P.M.
Overcast and cool with light snow. Light airs and breezes from N.W. and S by W. Barometer falling. At 1.30 fully rigged ship. Transferred to U.S.R.S. Wabash with bags and hammocks; F.S. Bates, Cox., J. Tobey, Sea., T. Lyon, Sea., F.J. Silva, Ord., Master-at-Arms. Maximum temperature of magazine 65°

Ralph Earle,
Ensign U.S.N.

4 to 8 P.M.
Overcast and cool. Snowing. Light N.E. breeze with moderate squalls. Barometer falling.

H. Shipple
Ensign U.S.N.

8 P.M. to Midnight.
Overcast, cool, with heavy snow. Moderate N.E. by E. breeze, increasing to moderate N.E. by E. gale. Barometer falling very rapidly.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lt. Navigator.

4-660

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor Holyhead N.W.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Dry Bulb.	TEMPERATURE. Att. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																
1				S. by E.	S.E.	9			29.38	42	36	36	cl. gds.	nimbi	0	
2				S. & E.	S.S.E.	9			29.29	42	36	36	"	"	0	
3				"	"	9			29.22	43	36	36	"	"	0	
4				"	"	9			29.25	42	36	36	"	"	0	
5				S.	S.	7-9			29.24	42	35	35	"	"	0	
6				"	"	8-10			29.24	40	32	31	"	"	0	
7				"	"	9-11			29.30	39	31	30	"	"	0	
8				"	"	9-11			29.30	38	31	29	"	"	0	
9				"	"	9-11			29.32	32	30	30	"	"	0	
10				"	"	9-11			29.35	32	30	30	"	"	0	
11				"	"	9-11			29.36	39	33	33	"	"	0	
Noon.				"	"	9-11			29.38	40	34	34	"	"	0	

Position at 8 A. M.: Latitude by ° ' "
Longitude by ° ' "

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 8 tons, 1380 lbs.

Coal remaining on hand at noon, 95 " 885 "

P. M.																
1				S.	S. by E.	9-11			29.44	41	32	32	cl. gds.	nimbi	0	
2				S. by E.	"	9-11			29.37	40	32	32	"	"	0	
3				S.	S.	9-10			29.54	41	32	32	cl. g.	"	0	
4				"	"	9-10			29.58	41	32	32	cl. g.	cu. n.	1	
5				S. 1/2 E.	"	9-10			29.69	42	31	31	cl.	"	0	
6				"	"	9-10			29.66	41	30	30	"	"	0	
7				S. 1/2 W.	"	9-10			29.68	40	30	30	"	"	0	
8				"	"	8-9			29.68	36	29	29	"	"	0	
9				S. 1/2 E.	"	8-9			29.72	38	28	28	"	"	0	
10				"	"	8-9			29.74	39	28	28	"	"	0	
11				"	"	8-9			29.76	39	28	28	"	"	0	
Mid.				S.	"	8-9			29.77	39	28	28	"	"	0	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday Nov 27, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and snowy. Blowing strong gale from N.E. to N. by E. Barometer falling fast three hours rising slightly last hour. At 1.30 dropped starboard anchor under foot to be ready in case mooring parted

C. M. Parks
Lieut U.S.N.

4 to 8 A.M.

Overcast and snowy. Strong to heavy gale from N.E. to N. Barometer steady first two hours rising one hour then steady 29.31 at end of watch. At 5.45 the port riding bitt carried away, allowing the slack to drift. The starboard anchor caught and the compressor was hauled to as soon as possible which was when there was about 75 fathoms of chain out. Let go port anchor as soon as possible and slowly veered to 45 fathoms on port chain. The port anchor began to hold and ship dragged both theirs slowly. Dragging inside of the breakwater off Goat Island started fires in all boilers and got up steam as soon as possible

At 7.15 started ahead slow on the engines. At end of watch ship still dragging slowly. Engines going ahead. The steam launch which was riding astern filled with water capsized and was cut adrift when the engines were started

W. Hurdle
Ensign U.S.N.

8 A.M. to Meridian

Overcast with heavy snowstorm. Strong to heavy gales from N. gale blowing in squalls. Barometer rising from 5 to 9 steaming up to anchor with 27 turns.

Continuing to drag, started engines ahead at full speed at 3 turns with 55 lbs steam at 9.20 All fires lighted on fourth bunker put on at 8.45. At 9 hauled out to 60 fathoms [illegible] At 10.30 let go sheet anchor, veering to 20 fathoms at water. Veering chain. Slack by engines remainder of watch and not drifting further toward Goat Island Light

Ralph Earle
Ensign U.S.N.

Meridian to 4 P.M.

Overcast and squally with snow. Blowing heavy gale moderating toward end of watch to strong gale. Barometer rising. Steadying up to the anchors at full speed. By order of Commanding Officer released temporarily from confinement Hakemus Bruce, and H. Burke Blacksmith, because their services were needed at present.

C. M. Parks
Lieut U.S.N.

4 to 8 P.M.

Overcast with passing snow squalls. Strong gales to gales from North. Moderating last hour to fresh breezes and strong gales in squalls. Barometer slowly rising. Steaming up to anchors making 33 turns, on engines until 7.30 when slowed down to 36 turns. Keeping mid channel between Goat Island and mainland as far as possible.

Ralph Earle
Ensign U.S.N.

8 P.M. to Midnight

Overcast and squally. Snowing. Blowing a moderate gale from North dying at times to light breeze from [illegible] Steaming up to anchors.

C. M. Parks
Lieut U.S.N.
E. E. Wright Jr. Navigator.

4-865

LOG of the UNITED STATES *Training Ship Essex* 3d Rate,

At Anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				North	N. by E.	8-9			29.76	38	29	29		f.g.	cu-n.	0	
2				"	"	7-9			29.78	39	29	29		o.o.f.g.	nimi	0	
3				"	"	8-9			29.79	39	29	29		b.f.g.	cu-m.	1	
4				"	"	8-9			29.80	39	29	29		"	cu-st	4	
5				N. by E.	"	5-7			29.82	39	29	29		b.e.	ci-cu	3	
6				"	"	6-8			29.82	39	29	29		"	"	2	
7				"	"	6-8			29.83	40	30	30		"	cu-n.	4	
8				"	"	5-7			29.84	40	30	30		"	cu	3	
9				N. by E.	N.	5			29.87	44	32	32		"	"	3	
10				N.	"	5			29.89	45	34	32		"	"	3	
11				"	"	4-5			29.85	47	36	33		ci	cu	3	
Noon.				N. N. W.	N. N. W.	4-2			29.87	48	40	34		"	"	3	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 50 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, 15 tons, 650 lbs.

Coal remaining on hand at noon, 70 " 235 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																	
1				N. by E.	N. by E.	3-6			29.89	52	39	36		b.e.	cu-st	3	
2				N. N. W.	N. N. W.	3-6			29.89	51	40	37		"	cu	3	
3				"	"	3-6			29.90	51	40	37		"	"	2	
4				"	"	3-6			29.90	50	41	38		"	"	9	
5				"	"	3			29.89	48	41	40		"	cu-st	8	
6				"	"	3			29.90	49	40	39		"	S.	8	
7				"	"	2			29.92	48	40	39		b.	"	10	
8				"	"	2			29.92	48	40	39		b.e.		6	
9				"	"	2			29.92	48	37	35		"	cu.	6	
10				"	"	3			29.92	47	36	34		"	"	6	
11				"	"	3			29.92	45	36	34		"	"	6	
Mid.				N. N. W. by N.	"	1			29.91	45	36	33		"	"	6	

under the command of Commander Frank Cruter, U. S. Navy,

Monday Nov 28, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.

Overcast and cloudy with light rain second hour. Clearing at end of watch. Bright moonlight. Barometer rising. Steaming up to anchor, engines making 30 revolutions. Moderate gale from S.by E. with heavy squalls second hour. Cold.

C. S. Bookwalter.
Ensign U.S.N.

4 to 8 A.M.

Generally cloudy and cold. Stiff breeze to moderate gales from S.by E. clearing in squalls. Barometer rising. Steaming ahead on engines keeping chain slack making 29 turns with steam pressure of 60 lbs. Keeping dynamo engine running. Heading S. 1/4 W.

Maximum temperature of magazines 66°

Rogers Carle,
Ensign U.S.N.

8 A.M. to Meridian

Fair and cold. Stiff to moderate breeze from North to S.S.W. Received on Pay. Dept. 193 lbs of fresh beef and vegetables for the crew. Engaged in hoisting in fish chains and making arrangements to clear them. At 10.15 stopped the engines.

C. M. Parks
Lieut U.S.N.

Meridian to 4 P.M.

Clear and cold. Gentle to fresh breeze from S. by W. to S.S.W. Barometer steady. Clearing foul anchor.

C. S. Bookwalter.
Ensign U.S.N.

4 to 8 P.M.

Clear and cold. Gentle to light breeze from S.S.W. Clearing foul anchor. Cleared chain & anchor and hoisted it and finally let it go again. Crew at night interrupted the general work of clearing the anchor. Banked fires.

C. M. Parks
Lieut U.S.N.

8 P.M. to Midnight

Clear and cold. Light to gentle breeze from S.S.W. Barometer steady.

C. S. Bookwalter.
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

4—200

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor Newport R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				S.W. by W.	S.W.	2			29.92	47	34	32		b.c.	ci-st	4	
1				"	"	2			29.92	48	34	32		"	"	5	
2				"	"	2			29.92	48	33	31		"	"	6	
3				S.W. by S.	S.W. by S.	2			29.79	47	33	31		"	"	7	
4				S.W.	S.W.	1			29.88	46	31	30		"	ci-s	7	
5				"	"	2			29.88	44	32	30		"	"	6	
6				"	"	1			29.87	42	31	30		"	"	6	
7				"	"	1			29.86	40	32	31		"	"	6	
8				S. by W.	S. by W.	1			29.86	58	37	35		"	"	8	
9				"	"	1			29.85	57	38	36		"	"	6	
10				"	"	1			29.85	59	38	36		"	"	6	
11				S.W.	S.W.	1			29.85	60	38	36		"	"	6	
Noon.																	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 2 tons, 1570 lbs.

Coal remaining on hand at noon, 77 " 905 "

P. M.																	
1				S. W.	S.W.	1			29.81	60	38	36		b.c.	ci-st	3	
2				"	"	1			29.79	58	38	36		"	"	2	
3				S.W. by S.	S.W.	1			29.78	58	38	36		"	"	2	
4				"	"	1			29.78	58	38	36		"	"	2	
5				S.W.	"	1			29.74	55	42	39		"	cu-st	5	
6				West	"	1			29.71	56	44	39		"	st	8	
7				S.W.	"	1			29.67	51	39	37		"	cu-st	6	
8				S.W. by S.	"	1			29.64	51	39	37		"	cu-st	5	
9				"	"	1			29.62	57	36	37		"	"	4	
10				S.S.E.	S.S.E.	1-2			29.62	57	36	34		cc	cu	0	
11				S.E. by S.	S.E. by S.	1-2			29.60	57	34	33		"	"	1	
Mid.				"	"	2			29.58	57	35	34		"	"	0	

4—365

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, Nov 29, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and omitted 4 A.M.

Clear and cold. Light N. W. breze, Barometer steady first three hours, falling slightly last hour. Bright moonlight

A. Phillips
Ensign U.S.N.

4 to 8 A.M.

Clear and cold. Light N. W. airs and breezes. D. McNear, Jr. O.S., returned on board 4 hours over liberty

Chas. Fahs
Lieut. U.S.N.

8 A.M. to Meridian

Clear and pleasant. Light airs from N. W. to W. S. W. Barometer steady Clearing for anchorage. Discovered hole in bottom of fourth cutter made by steam launch. Found steam launch under Torpedo Station wharf with hot boiler. Spread fires at 8.00

C. S. Bookwalter
Ensign U.S.N.

Meridian to 4 P.M.

Fair and cool. Light W. S. W. and Westerly breezes. Barometer falling steadily Between 3 and 3.45 moved up the starboard anchored and shifted berth, outside of Goat Island, the soundings being as follows; Lime Rock to Goat Island 11 fathoms Goat Island to Rose Island 9 fathoms. Let go anchor in five fathoms of water and veered to 5 fathoms on starboard swing. Moored to Bankers buoys
* A diver from Torpedo Station examined bottom of ship found worn
ing off keel, reported no damage
A. Phillips
Ensign U.S.N.

4 to 8 P.M.

Partly cloudy and cool. Light airs from W. and Barometer falling. Jos. Meagher O.S., and D. Beebe, O.S. 2d, returned from liberty four days and eight hours, overtime.

C. S. Bookwalter
Ensign U.S.N.

8 P.M. to Midnight

Fair first hour. Overcast last three hours. Light variable airs and breezes. Barometer falling steadily

A. Phillips
Ensign U.S.N.

Examined and found to be correct.

E. E. Ulrich
Lieut. & Navigator.

LOG of the UNITED STATES *Training Ship Essex* **3d Rate,**

At anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Ther. att'd.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																
1				S.E. by S.	S.S.E.	2			29.48	53	38	36	ocr.	Strus	0	
2				S.E.	S.E.	3			29.42	53	38	36	ocr.	"	0	
3				South	"	3			29.41	55	38	36	"	"	0	
4				"	S.S.E.	4			29.36	54	38	36	"	"	0	
5				S. by E.	"	3-5			29.31	54	37	36	ocr.	"	0	
6				South	S. by E.	3-5			29.27	48	37	36	"	"	0	
7				"	"	4-6			29.24	46	35	34	ocr.	"	0	
8				"	"	6-7			29.23	46	34	32		"	0	
9				"	South	6-7			29.25	45	34	34	ocr.	"	0	
10				S. by W.	S. by W.	5-7			29.28	44	34	34	ocr.	"	0	
11				South	"	4-6			29.29	42	34	34	"	"	0	
Noon.				S. by W.	S.S.W.	4-6			29.31	42	34	34	"	"	0	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water *distilled* during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 3 tons, 1645 lbs.

Coal remaining on hand at noon, 74 " 1500 "

P. M.																
1				S.S.W.	S.S.W.	4-7			29.36	41	33	33	ocr.	St.	0	
2				"	"	4			29.39	41	33	33	"	"	0	
3				S.W. by S.	S.W.	4			29.43	41	33	33	"	"	0	
4				S.W.	"	3-2			29.48	43	33	33	"	"	0	
5				"	"	3			29.54	43	34	34	ocr.	"	0	
6				"	"	3-4			29.60	43	33	33	"	"	0	
7				"	"	3-4			29.62	42	33	33	"	"	0	
8				"	"	3			29.66	42	34	33	ocr.	cum.	1	
9				"	"	3			29.69	40	36	35	"	"	1	
10				"	"	3-5			29.71	47	38	37	"	"	1	
11				S.W. by S.	S.S.W.	3-5			29.72	47	38	37	"	fr. cu	1	
Mid.				"	S.W.	4			29.72	46	38	37	"	"	1	

under the command of Commander Frank Coutts, U. S. Navy,

Wednesday, Nov. 30, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cool. Light snow-flurries, low turning to rain and sleet. Light N.W. & W'ly airs, and gentle N. & W'ly breeze, shifting to moderate N.W. & W'ly breeze. Barometer falling.

Ralph Earle,
Ensign U.S.N.

4 to 8 A.M.

Overcast and cloudy with snow. Moderate breeze from N.W. & W. to fresh breeze from W'ly & S. Barometer falling rapidly. At 4.30 let go 5th anchor and veered to 7½ fathoms on starboard chain and 5 fathoms on port chain. Rigged in gangway, counter braced yards and secured everything about the deck. By order of the Commanding Officer, placed J.H. Kelly, L.S. U.S.N., on solitary confinement on bread and water for five days for maligning and not obeying orders & for disrespectful conduct.

C. S. Borreswalter,
Ensign U.S.N.

8 A.M. to Meridian

Overcast and driving snowstorm. Moderate to fresh breeze. Hoisting in signals from N. to N.W. by W. Barometer rising. Maximum temperature of magazines 65

W. Friedrich
Ensign U.S.N.

Meridian to 4 P.M.

Overcast and cold with snow. Moderate to fresh N.W. by W'ly breeze first hours, with moderate N.W. by W. and N.W'ly breeze last part. Barometer rising.

The Commanding Officer awarded the following punishments:- F. L. Higham, Sea, 2d class; J. J. Murray, Sea, 3d class; C. P. Mitchell, Lbr., 2d class; J. Christensen, Sea, 2d class; J. Meagher, G.M.a., 4th class for 3 months; D. O'Toole, J.M.a.s., 4th class for 3 months for obstructing leave.

Ralph Earle,
Ensign U.S.N.

4 to 8 P.M.

Overcast and cloudy. Cold. Gentle to moderate N.W. breeze. Barometer rising rapidly. Signs of clearing toward end of watch.

W. Friedrich
Ensign U.S.N.

8 P.M. to Midnight

Generally fair and pleasant. Gentle to stiff breeze from N.W. and N.W. by W. Barometer rising.

Ralph Earle,
Ensign U.S.N.

APPROVED.
Frank Coutts
COM'D'R, U.S.N., COM'D'G.

Examined and found to be correct.

E. E. Wright
Lieut. & Navigator.

LOG of the UNITED STATES *Training Ship Essex* 3d Rate,

At Anchor Newport R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																
1				*S. by E.*	*S. W.*	3			29.77	43	37	37	*b. c.*	*cu.*	6	
2					*S. W. by W.*	3			29.79	43	37	37	"	"	6	
3				*S. by E.*	"	3			29.81	43	35	35	"	"	8	
4				"	*S. by W.*	3			29.82	43	35	35	"	"	6	
5				*S. S. W.*	*S. S. W.*	2-3			29.84	46	35	34	"	*cu.*	6	
6				"	"	2			29.86	48	36	35	"	"	6	
7				"	"	2			29.91	48	36	35	"	"	5	
8				"	"	2			29.91	49	36	36	"	*ci. cu.*	5	
9				"	"	2			29.95	49	36	36	"	"	8	
10				"	"	2			29.96	58	38	36	"	"	8	
11				"	"	2-3			29.97	58	38	36	"	"	8	
Noon.				*S. S. W. by S.*	"	2-3			29.86	60	38	36	"	"	3	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at *7.57 A.M.* *20° 52′ E.*

Deviation of compass on *N. E. E. & E.* *9° 52′ E.*

Water expended during the preceding 24 hours, *600* gallons.

Water *distilled* during the preceding 24 hours, *300* "

Water remaining on hand fit for use at noon, *2600* "

Coal consumed during the preceding 24 hours, *1* tons, *1935* lbs.

Coal remaining on hand at noon, *72* " *1815* "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																
1				*N. ENE.*	*E. ENE.*	3			29.96	61	40	38	*b. c.*	*cu.*	9	
2				*N. ENE.*	*E. by S.*	3			29.96	59	40	38	"	"	9	
3				"	*E. N. E.*	3			29.97	57	41	38	"	"	9	
4				"	"	3			30.01	55	39	37	*Clear*	"	10	
5				"	"	3			30.02	50	37	34	"	"	10	
6				"	"	3			30.03	50	37	34	"	"	10	
7				"	"	2			30.07	50	37	34	"	"	10	
8				"	"	3			30.07	50	37	33	"	"	10	
9				*E. by S.*	"	3			30.07	50	36	33	"	"	10	
10				"	"	3			30.07	49	36	33	"	"	10	
11				*E. S. E.*	"	3			30.11	47	35	33	"	"	10	
Mid.				*S. E.*	"	3			30.11	46	34	33	"	"	10	

4—995

under the command of Commander Frank Coutts, U. S. Navy,

Thursday, December 1, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Fair and cold. Gentle N.W. breze

C.M. Fahs
Lieut. R.N.S.F.

4 to 8 A.M.
Fair and cool, Gentle to light N.N.W. breze. Barometer rising

W. Durbin
Engineer R.N.S.F.

8 A.M. to Meridian
Fair and pleasant. Light to gentle N.N.W. breze. Barometer stationary. At 9.00 hove up port anchor, leading 45 fathoms out on starboard chain. At 9.30 mustered and inspected at quarters. Divine Service, Hymns, Sea, and Church, Commanders, Etc. Overhauled and remarked the port bower chain. At 11.00 a coal lighter with about 30 tons of coal came alongside. Received in Pay Dept. 192/2 lbs. preserved meat and vegetables. Sent working party ashore to repair steam launch.

Ralph Eaves,
Engineer R.N.S.F.

Meridian to 4 P.M.
Clear and cold. Gentle breze from West. Coaling ship, took in 30 tons and sent lighter away. By order of the Commander released A.B. Greeley from confinement and restored him to duty. The following punishments were awarded by the Commander:- G.R. Heleb, Off. 3d., and J.D. Haggerty, Off. 3d., each to stand watch on the spar deck for one hour each for smoking. The steam launch, with Police and cutter, mustering, was brought back to the ship by a Torpedo Station launch. Hoisted the steam launch and secured her for sea.

C.M. Fahs
Lieut. R.N.S.F.

4 to 8 P.M.
Clear and cold. Light to gentle N'ly breezes, blowing in squalls. Barometer rising. Stoker 1cl. at 7.25 P.M. left ship, absent from leave, having reported that he is sick, by letter, is not declared a deserter.

Ralph Eaves,
Engineer R.N.S.F.

8 P.M. to Midnight
Clear and cold. Gentle breeze from West.

C.M. Fahs
Lieut. R.N.S.F.

Examined and found to be correct.

E.E. Wright
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At Anchor at Newport RI

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	Stated Time Sea.
A. M.																
1				S.W. by W.	W.S.W.	2			30.19	48	33	32	Clear	cu.	8	
2				"	"	1-5			30.19	48	33	32	"	"	8	
3				"	"	1-5			30.21	49	32	32	"	"	8	
4				W. by S.	"	2			30.20	44	32	32	"	"	8	
5				"	West	2-3			30.20	43	32	32	hz	"	10	
6				"	"	2			30.22	44	31	30	"	"	10	
7				"	W. by S.	2			30.24	44	31	30	"	"	10	
8				"	"	2			30.26	44	31	31	"	"	10	
9				W. by S.	West	3			30.30	41	35	33	"	"	10	
10				"	"	3			30.33	49	36	33	"	"	10	
11				"	"	3			30.35	46	39	34	"	"	10	
Noon.				"	"	3			30.30	47	40	35	"	"	10	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, 2 tons, 370 lbs.

Coal remaining on hand at noon, reserved 100 " 1435 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	Stated Time Sea.
P. M.																
1				S. W. by W.	W.S.W.	3			30.30	47	44	40	hz	nimbus	10	
2				"	"	3			30.32	47	44	40	"	"	10	
3				S.W.	"	2			30.34	47	45	42	"	"	10	
4				W. by S.	"	2			30.35	55	45	42	"	"	10	
5				"	West	2			30.35	53	40	38	hz	cu	9	
6				"	"	2			30.39	56	39	37	Clear		10	
7				"	W. by S.	2			30.39	53	39	37	"	"	10	
8				"	"	2			30.41	54	39	37	"	"	10	
9				"	"	2			30.42	54	39	37	hz	Str	8	
10				"	"	1			30.43	54	37	36	"	"	7	
11				"	"	2			30.45	53	36	35	cl	cu	0	
Mid.				S.W.	"	2			30.45	53	36	35	"	"	0	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, Dec 2, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.
Clear and cool. Light breeze to light airs from N. & W. Barometer rising

C. S. Bookwalter
Ensign U.S.N.

4 to 8 A.M.
Clear and cold. Light to gentle breeze from West and W.by N. Barometer rising.
O. Hobbs, Sea, returned from liberty 10 days, 22 hours, overtime

Casper Carse
Ensign U.S.N.

8 A.M. to Meridian
Clear and cold. Gently breeze from West. Loosed sail. Engaged in cleaning ship preparing boats for sea. The Commander awarded the following punishments:- O. Hobbs, Appr. 3d, 4 hrs extra duty for stealing another boy's Pillow, Appr. 3d, 4 hours extra duty for engraving another boy's name. Jas. D. Joyce, Ord. Seaman, 1 day in Irons for insolence to the Paymaster. The Commander detached W.S. Sullivan, Yeo., to Ord. Dept. Received on Equipment 50 hammocks and 50 bags.

C. W. Parks
Lieut. U.S.N.

Meridian to 4 P.M.
Clear and cool. Gentle to light breeze from N. by W. Barometer rising. At 1.30 began distilling. At 3.30 sent down fore gallant & poles. O. Hobbs, Sea, was transferred with bag and hammock, to U.S.S. Olympia. At 4.00 ceased sail.

C. S. Bookwalter
Ensign U.S.N.

4 to 8 P.M.
Clear and cold. Light breeze from West

C. W. Parks
Lieut. U.S.N.

8 P.M. to Midnight
Clear and cool. Light breeze to light airs from W.by N. Barometer rising
Hammocks at 7.30

C. S. Bookwalter
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor Newport R.I. and making passage to Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.																	
1				North	West	1			30.44	57	37	36		b.c.	ci-cu	5	
2				"	Calm	0			30.45	50	37	36		"	"	7	
3				N.E by E	N.N.W.	1			30.46	49	37	35		"	"	7	
4				"	"	1			30.46	49	37	36		"	"	9	
5				N.E.	N.N.E	1			30.45	49	37	36		"	mist	8	
6				"	"	1			30.45	48	35	34		"	"	9	
7				North	"	1			30.47	50	35	34		"	cu-cu	2	
8				N. by W.	N.E	1			30.46	50	35	34		b.c.	cu-cu	0	
9		5	61.2	N.W by N.	"	1			30.46	49	37	36		"	"	0	
10	8	4	69.6	N.W.	E.E.	2			30.45	51	40	38	46	"	"	0	d
11	5	7	75.3	"	E.N.E.	4			30.44	43	45	43	46	"	"	0	"
	2	4	77.7														
Noon.	3	7	81.0	N.W.	"	4			30.42	44	46	44	46	"	"	0	"
	2	9	85.5	N.W by W.													

Position at 8 A. M.: Latitude by ° ' "

Longitude by ° ' "

Position at noon: Latitude by observation ° ' "

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 24 3 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by 40° 15' " N.

Longitude by 72° 38' " W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2950 "

Coal consumed during the preceding 24 hours, 5 tons, 1075 lbs.

Coal remaining on hand at noon, 95 " 360 "

P. M.																	
1	8	0	93.5	S.W. by W.	East	4			30.40	47	46	44	46	b.c.	ci-p.	0	d
2	8	0	1.5	"	"	4			30.39	56	46	44	47	"	"	0	"
3	9	0	10.5	"	"	5			30.38	56	46	44	44	o.c.	b.cu	0	"
4	9	0	19.5	"	E.S.E	5			30.37	56	46	44	43	"	"	0	"
5	8	6	28.1	"	"	4			30.38	56	45	44	43	o.c.d	mist	0	"
6	8	3	36.4	"	"	4			30.38	56	45	44	43	"	"	0	"
7	8	7	46.1	"	East	4			30.38	56	45	44	43	"	"	0	"
8	7	2	53.3	"	"	4			30.34	56	45	44	43	"	"	0	"
9	8	0	62.0	"	N.N.E	4			30.33	56	46	44	45	"	"	0	"
10	8	0	70.0	"	"	4			30.32	54	47	45	47	"	"	0	"
11	8	3	77.3	"	"	3-5			30.31	54	47	48	50	"	"	0	"
Mid.	8	3	85.3	"	"	3-5			30.31	53	48	46	52	"	"	0	"

under the command of Commander Frank Cowles, U. S. Navy,

Saturday Dec. 3, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A.M.
Fair and cool. Light variable airs and calms. Barometer rising slowly. Started fires under boilers A. & B. at 3.30

W. Rue Shaw
Ensign U.S.N.

4 to 8 A.M.
Fair and cool. Light N.E. airs. Making preparations for getting under way. Bent top-gallant sail. At 7.00 crossed top-gallant yards.

Chas Fahs
Lieut U.S.N.

8 A.M. to Meridian
Overcast and cloudy. Light airs from N.E. to moderate breeze from S.E. Barometer steady. At 9.30 got underway. At 8.51 put over patent log reading 60.7. At 9.20 Gardiner Bay Light ship abeam, patent log reading 63.7 and set top sails, fit, forecast, main topsail and flankers. Steered S.W. until Block Island Light abeam, patent log 55.5 distant 11.5 miles and set course S.S.W. ½ W. per compass. At 11.50 set foretopmast staysail and top-gallant sails. At 10.30 partially banked fires. Average steam pressure 50 revolutions 43

C. S. Bookwalter
Ensign U.S.N.

Meridian to 4 P.M.
Overcast and cloudy. Cool. Moderate to stiff breeze from East and E.S.E. Barometer falling slowly. At 12.45 took in skysails. At 2 points sighted Montauk Point Lighthouse. Took in top-gallant sails at 1.30 and top sail at 3. At 3 PM set course S. ½ W. At end of watch under fit, foretopmast staysail, foresail, and mainstaysail. Average steam pressure 50 P. revolutions 44

W. Rue Shaw
Ensign U.S.N.

4 to 6 P.M.
Overcast and cloudy with light rain. Moderate E.S.E. breeze. Barometer steady. On course S. ½ W. At end of watch patent log 36 + under fit, foretopmast staysail, foresail, and main staysail. Average steam 45. Average revolutions 43.3

Regd Earle
Ensign U.S.N.

6 to 8 P.M.
Overcast with slight drizzle. Moderate breeze from East steaming under three boilers, fit, foretopmast staysail, foresail, and trysail set. At 6.30 took in fit, set in all sail during last hour. Course S. ½ W. by W. per C. Patent log at end of watch 52.3 Average steam 55 Average revolutions 44.8

Chas Fahs
Lieut U.S.N.

8 P.M. to Midnight
Overcast cloudy with drizzling rain. Barometer falling. On course S. ½ W. by W. (pers.) Average steam 53 revolutions 44.55.

C. S. Bookwalter
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut & Navigator.

4-365

LOG of the UNITED STATES Training Ship Essex Rate,

At sea, making passage between Newport R. I. and Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1	8	2	9.45	S.W. by W.	O.S.O.	4			30.30	54	43	42	42	p.c.d	Cirrus	0	M
2	8	5	35	"	"	4-5			30.30	54	45	45	43	p.c.	"	0	"
3	6	5	95	Cirrus	"	5-6			30.29	54	48	45	43	"	"	0	"
4	1	6	111	Obs'd	"	5-6			30.28	52	48	45	43	"	"	0	"
5	1	1	12.2	S.S.E. 1/2 E.	Obs'd	6-8			30.27	52	48	45	43	"	a.c.	0	"
6	1	9	131	S.S.E. by E. 1/2 E.	East	6-8			30.27	53	48	45	43	"	"	0	"
7	1	8	139	"	"	6-8		1	30.27	53	48	46	44	"	"	0	"
8	1	5		S.E.	"	6-8		1	30.21	53	48	46	44	"	"	0	Lt.
9	Hove to.			"	"	6		1	30.21	54	48	46	45	"	"	0	"
10	Log'd Soundings			"	"	6		1	30.22	52	48	47	45	"	"	0	"
11		"		S.E. by E.	"	6-7		1	30.20	54	49	47	45	"	"		"
Noon.		"		"	"	6-7		1	30.15	54	49	48	45	p.c.r	Cirrus	0	"

Position at 8 A. M.: Latitude by ° ' "
Longitude by ° ' "

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. 39° 10' " N.
Longitude by D. R. 73° 19' " W.

Course made good since preceding noon: S. 35° W.

Distance made good since preceding noon: 153 miles.

Distance by Log since preceding noon: 129.4 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 50 gallons.

Water " during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 12 tons, 1220 lbs.

Coal remaining on hand at noon, 82 " 1380 "

P. M.																	
1	Hove to			S.E.	O. by S.	6-7		1	30.06	56	50	49	45	p.c.r	cirrus	0	Lt.
2	Log'd Soundings			"	"	6-7		1	30.02	56	53	49	45	"	"	0	"
3	1	5		"	"	6-7		1	29.99	56	51	50	45	"	"	0	"
4	1	5		"	"	6-7		1	29.86	57	52	51	45	"	"	0	"
5	1	5		"	"	7-9		1	29.79	58	53	52	48	"	"	0	"
6	1	0		S.E. by S.	East	7-9		1	29.72	59	56	55	48	"	"	0	"
7	0	8		S.E. by S.	"	7-8		1	29.69	59	58	58	50	"	"	0	"
8	0	8		"	S.E.	7-8		1	29.61	59	58	58	52	"	"	0	"
9	0	0		S.S.E.	"	7-8		1	29.58	59	56	58	52	"	"	0	"
10	0	0		S.E.	S.W.	7		1	29.58	61	57	58	52	b.c.	cirr.	0	"
11	1	1	15	"	"	7		1	29.61	59	56	55	52	"	"	0	"
Mid.	5	3	21	"	"	7		1	29.62	59	56	55	51	"	"	0	"

4—355

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, Dec 4, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and middle 4 A M

Overcast and cloudy. Occasional spells of rain. Moderate to stiff S by E to S S E breeze. Barometer steady. Set and took in jib. Set main topsail and at 2.30 also hauled out foot of spanker. At 2.50 A.M. 2.30 set main topsail and at 3.5 brought the ship by the wind on the port tack. Ship rolling heavily. 8 o'clock. Average steam 58, revolutions 41.5. Gun deck flooded with water, coming in through scuppers and gun deck ports. Unable to secure scuppers.

W. Kempff
Ensign U.S.N.

4 to 8 A.M.

Overcast and cloudy. Stiff to fresh S by E ly and East ly breeze. Barometer falling. Steering by the wind with engines turning over slowly. At 7 furled main topsail. At 6.45, set the storm mizzen. At end of watch, under storm mizzen and storm jib. Average steam 60 average revolutions 27. Gun deck flooded with water, coming in through scuppers and gun deck ports. Unable to secure scuppers.

Ralph Earle
Ensign U.S.N.

8 A.M. to Meridian

Overcast with drizzling rain. Blowing very fresh breeze to moderate gale from East. Steering by the wind with engines turning slowly. Foot of main topsail let and storm mizzen. At 8 steamer bound to Porto Rico and Cape d'Haiti crossed ahead of us at 8.00. Average steam 58 revolutions 27. Gun deck flooded with water coming in through scuppers and gun deck ports. Unable to secure scuppers.

Chas. Hahn
Lieut U.S.N.

Meridian to 4 P.M.

Overcast and cloudy and rainy. Fresh breeze to moderate gale from E by S. Hove to with storm mizzen and foot of main topsail. Engines turning slowly. Took departure (east of Inagua) at 3.30. 38 fms. sand. Average steam pressure 58 revolutions 31.9. Gun deck flooded with water coming in through scuppers and gun deck ports. Unable to secure scuppers.

C. S. Bookwalter
Ensign U.S.N.

4 to 6 P.M.

Overcast and raining. Fresh breeze to gale from E by S and East. Barometer falling rapidly. Hove to under storm mizzen and foot of main topsail. Ship rolling heavily at times. Average steam 58 revolutions 40. Gun deck flooded with water coming in through scuppers and gun deck ports. Unable to secure scuppers.

W. Kempff
Ensign U.S.N.

6 to 8 P.M.

Overcast and cloudy with heavy rain. Fresh breeze to moderate gales from E and S E blowing in heavy squalls. Barometer falling. At 7.30 took in main topsail. Steaming by the wind, light to overcome about 2 E by S making 37 turns until 7.30 when increased speed to 41 turns. At end of watch, under storm mizzen. Average steam 60 revolutions 36. Gun deck flooded with water coming in through scuppers and gun deck ports. Unable to secure scuppers.

Ralph Earle
Ensign U.S.N.

8 P.M. to Midnight

Overcast and cloudy at first, clearing latter part. Blowing very fresh breeze from S E which shifted at 9.30 and daily to S. At 11 hove to steering on headings E by S per S E to engines making 40 turns. Set foretopmast staysail at 11. Average steam 58 revolutions 38.8. Gun deck flooded with water coming in through scuppers and gun deck ports. Unable to secure scuppers.

Chas. Hahn
Lieut U.S.N.

Examined and found to be correct.

E. E. Wright
Lt
Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At sea making passage between Newport R.I. and Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Drift, in Miles.	Direction of Clear Sky, in Ellias.	State of the Sea.
A. M.																		
1	6	2	27.5	S.S.E.	S.W.	7		1	29.62	54	50	47	49	b.c.	cu-ni	8	S.W.	S.W.
2	7	5	35.0	"	"	7		1	29.65	54	50	47	49	"	"	8	"	"
3	4	5	39.5	"	"	7		1	29.65	54	50	47	49	"	"	8	"	"
4	1	5	Slow	S.S.E.	W.S.W.	6.5		1	29.65	52	50	47	58	"	"	8	"	"
5	1	0	to	S.S.W. 1/2 W.	"	5.6		1	29.65	54	51	47	60	o.c.	"	0	"	"
6	1	0	Det.	"	"	5.6		1	29.65	52	50	47	60	b.c.	"	2	"	"
7	0	6	log	"	"	5.6		1	29.68	52	51	47	60	o.c.	"	0	"	"
8	0	6	Included	S.S.W. 3/4 W.	"	6.8		1	29.76	52	50	46	61	"	S.cu.	0	"	"
9	1	5	in	S.S.W. 1/2 W.	W.	6.8		1	29.72	54	50	48	62	"	"	0	"	4
10	1	5	"	S.W. 1/2 S.	"	6.8		1	29.74	54	49	47	60	"	"	0	"	"
11	2	0	"	S.W.	"	6.8		1	29.74	54	49	47	62	"	"	0	"	"
Noon.	2	0	"	"	"	6.8		1	29.75	54	50	47	62	"	"	0	"	"

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. 38° 40' " N.
Longitude by D. R. 72° 39' " W.

Course made good since preceding noon: S. 48° E.

Distance made good since preceding noon: 43 miles.

Distance by Log since preceding noon: 24.5 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 11 tons, 1885 lbs.

Coal remaining on hand at noon, 70 " 835 "

P. M.																		
1			Steered to	S.W. by W.	W.N.W.	6.8		1	29.77	54	50	47	62	b.c.	A.cu.	2	N.	
2			Cathy Landlights	"	"	6.8		1	29.80	54	50	47	62	"	cu-ni.	4	"	
3			"	"	"	6.5		1	29.82	56	51	47	60	"	"	4	"	
4			"	"	"	6.8		1	29.85	56	47	48	58	"	"	5	"	
5			"	W. by S. 1/2 S.	"	6.8		1	29.89	52	50	42	58	"	"	2	"	
6			"	"	"	6.8		1	29.92	56	50	45	59	"	"	2	"	
7			"	W. 1/2 W.	W. by W.	6.5		1	29.97	56	50	45	59	"	"	7	"	
8			"	"	"	6.8		1	30.00	55	49	45	62	"	cu.	9	"	
9	2	0	"	W. 1/2 W. 1/2 W.	"	6.8		1	30.05	55	49	45	62	"	"	7	"	
10	2	0	"	W.S.W. 3/4 W.	"	6.8		1	30.10	55	49	45	62	"	"	6	"	
11	2	0	"	"	"	6.8		1	30.10	52	47	44	62	"	"	6	"	
Mid.	2	0	"	"	"	6.8		1	30.10	52	47	44	62	"	"	6	"	

under the command of Commander Frank Coontz, U. S. Navy,

Monday, Dec 5, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M

Overcast and cloudy. Moderate gale from S.W. to W.S.W. Sea coming from all directions At 3.00 hove to under storm mizzen, Engines making 30 turns. Average steam 60 Gun deck flooded with water coming in through scuppers C.S. Boatswain's Mate and gun deck forward. Unable to secure scuppers.

Ensign U.S.N.

4 to 8 A.M

Overcast and cloudy. Stiff to fresh W.S.W. breeze, Moderate sea. Barometer steady first two hours rising last two. At 7 hauled out the foot of main trysail. At end of watch lying to under storm mizzen and foot of main trysail, Engines making 30 revolutions Average steam 58 Average revolutions 40 - Gun deck flooded with water coming in through scuppers and gun deck forward. Unable to secure scuppers.

Ensign U.S.N.

8 A.M to Meridian

Overcast and cloudy with at times squalls of hail and rain. Moderate to fresh W.S.W breeze. Barometer slowly rising. Lying to under foot of main trysail and storm mizzen. Gale commenced at 8 A.M of moderate force. Average steam 60 Average revolutions 318 Gun deck flooded with water coming in through scuppers and gun deck forward. Unable to secure scuppers.

Ensign U.S.N.

Meridian to 4 P.M

Cloudy and cool Blowing fresh breeze to moderate gale from W.S.W. Lying to on starboard tack under foot of main trysail and storm mizzen, Engines making 35 turns. Average steam 58 Revolutions 319 Gun deck flooded with water coming in through [illegible] Unable to secure scuppers.

Lieut. U.S.N.

4 to 6 P.M

At 5.00 a heavy sea carried away the jib and flying jib boom. The ship was pitching heavily and while on the trough of the sea another sea crossed the head boom and on lifting, the weight of the water carried them away.

C. Bowles Boatswain's Mate

Ensign U.S. Navy.

[illegible] to moderate gale from W.S.W. Barometer [illegible] head boom. Rest down foot topgallant yard [illegible] to. Average steam 58 revolutions 62 Gun deck [illegible] scuppers and gun deck forward. C. Boatswain.

Ensign U.S.N.

[illegible] to moderate gale from W.S.W. Barometer rising [illegible] mizzen steering sail topgallant mast. Lying to under storm mizzen and foot of main trysail. Engines making 30 turns. Average steam 57 revolutions 30 Gun deck flooded with water coming in through scuppers and gun deck forward. Unable to secure scuppers.

Ensign U.S.N.

8 P.M to Midnight

Fair and cool standing up latter part of watch. Fresh W.S.W to W by S breeze Barometer pretty much steady. Remainder of watch lying to under storm mizzen and foot of main trysail Moon rose at 11.35. Average revolutions 30 steam 60 Gun deck flooded with water coming in through scuppers and gun deck forward. Unable to secure scuppers.

Ensign U.S.N.

Examined and found to be correct.

Navigator.

4-685

under the command of Commander Frank Coontz, U. S. Navy,

Monday, Dec 5, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M

Overcast and cloudy. Moderate gale force 8 N. to N. S.E. Sea coming from all directions At 3.30 hove to under storm mizzen, Engines making 30 turns Average steam 60 Gun deck flooded with heavy rain coming in through scuppers C. S. Boatswain and gun deck forward. Unable to secure scuppers.

Ensign U.S.N.

4 to 8 A.M

Overcast and cloudy, Light to fresh N.E.E. breeze, Moderate sea, Barometer steady first two hours rising last two At 7 hauled out three foot of main trysail At end of watch lying to under storm mizzen and foot of main trysail, Engines making 30 revolutions Average steam 58 Average revolutions 40 - Gun deck flooded with water coming in through scuppers and gun deck forward. Unable to secure scuppers.

Ensign U.S.N.

8 A.M to Meridian

Overcast and cloudy with a passing squall of hail and rain. Moderate to fresh N.E by E breeze. Barometer slowly rising. Lying to under foot of main trysail and storm mizzen. Maximum temperature of mercury since 67. Average steam 60 Average revolutions 318 Gun deck flooded with water coming in through scuppers and gun deck forward. Unable to secure scuppers.

Ensign U.S.N.

Meridian to 4 P.M

Cloudy and cool. Blowing fresh breeze to moderate gale force N.E. by N. Lying to on starboard tack under foot of main trysail and storm mizzen, Engines making 35 turns. Average steam 58 Revolutions 319 Gun deck flooded with water coming in through scuppers and gun deck forward. Unable to secure scuppers.

C. M. Jap.
Lieut. U.S.N.

4 to 6 P.M

Overcast and cloudy. Fresh breeze to moderate gale from N.E. by N. Barometer rising and sea [illegible] Set fore topgallant yard Engines making 30 turns Average steam 58 revolutions 320 Gun deck flooded with water coming in through scuppers and gun deck forward. J. Boatswain. Unable to secure scuppers

Ensign U.S.N.

6 to 8 P.M

Fair and cool Fresh breeze to moderate gale from N.E. by N. Barometer rising Finished securing fore-topgallantmast, Lying to under storm mizzen and foot of main trysail, Engines making 30 turns. Average steam 58 revolutions 320 Gun deck flooded with water coming in through scuppers and gun deck forward. Unable to secure scuppers

Ensign U.S.N.

8 P.M to Midnight

Fair and cool sounding up latter part of watch. Fresh N.E. by N. breeze Barometer at first hour steady, 9 Fathoms of water Lying to under storm mizzen and foot of main trysail. Moon rose at 11.35. Average revolutions 30 turns 60 Gun deck flooded with water coming in through scuppers and gun deck forward. Unable to secure scuppers

Ralph Earle
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Navigator.

4-685

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Area making passage from Newport R.I. to Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.																	
1	Hove to			S. S. W. 1/2 W.	S. S. E. by E.	8		1	30.14	49	43	46	62	b.c.	m,st	9	L
2	Cat-lo, Jib & Trysail			"	"	8		1	30.16	49	43	41	62	"	"	7	"
3	"			"	"	8		1	30.18	48	43	41	62	"	"	6	"
4	"			"	"	6-8		1	30.19	48	42	41	62	"	"	5	"
5	"			"	"	5-6		1	30.23	48	42	41	62	"	a,cu	4	"
6	"			"	S. E.	5-6		1	30.26	48	42	41	59	"	"	3	"
7	1	5	407	S. by W.	"	4-5		1	30.29	46	42	41	56	"	"	4	"
8	3	5	442	"	"	5			30.30	45	42	41	56	"	"	5	"
9	4	5	49	"	"	5		1/4	30.38	49	47	43	57	"	"	8	"
10	3	2	52.2	"	"	5			30.35	52	44	43	56	"	cu.	9	"
11	5	4	57.6	S. S. W.	"	5			30.35	53	45	45	56	"	"	9	"
Noon.	5	3	62.9	S. W. 3/4 W.	S. E. by S.	5			30.33	52	46	46	56	"	cu,cir	9	"

Position at 8 A. M.: Latitude by ° ' "; Longitude by ° ' "

Position at noon: Latitude by observation 37° 43' " S.; Longitude by observation 73° 33' " W.; Latitude by D. R. ° ' "; Longitude by D. R. ° ' "

Course made good since preceding noon: S. 35° W.

Distance made good since preceding noon: 72 miles.

Distance by Log since preceding noon: 284 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "; Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 11 tons, 1585 lbs.

Coal remaining on hand at noon, 58 " 1190 "

P. M.																	
1	4	5	69.5	S. W.	S. S. E. by S.	4			30.33	53	48	46	56	b.c.	a,cir	9	L
2	4	5	74.	"	S. S. E.	4			30.32	55	48	47	56	"	"	9	Sm
3	5	5	79.5	"	"	4			31.33	54	48	47	55	"	"	9	"
4	5	2	86.3	"	"	3			30.33	54	48	47	55	"	"	9	"
5	6	7	93.	S. W. 1/2 W.	S. S. E. by E.	2			30.33	54	48	47	54	"	"	8	"
6	7	5	100.5	"	S. E.	3			30.32	54	48	47	54	"	"	8	"
7	8	0	8.5	"	"	3			30.30	54	48	47	54	"	"	8	"
8	5	8	14.3	"	"	3			30.30	54	48	47	54	"	"	9	"
9	6	0	20.3	"	"	3			30.27	52	47	47	54	"	"	9	"
10	6	0	26.3	"	"	3-5			30.27	52	49	49	52	"	"	9	"
11	5	2	31.5	"	S. E.	3-5			30.25	54	49	47	50	"	"	9	"
Mid.	4	5	36.0	"	"	4			30.22	54	48	46	49	"	"	9	"

4—265

under the command of Commander Frank Coutts, U. S. Navy,

Tuesday, Dec 6, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M.

Cloudy. Blowing moderate gale from N.W. by W. Lying to under foot of main trysail, storm jigger and engines going 30 turns steering W. by S. (S.) gale moderating towards end of watch. Average steam 55 revolutions 31.2. Gun deck flooded with water coming in through scuppers, and gun deck forts unable to secure scuppers.

Chas. Fahs
Lieut. U.S.N.

4 to 8 A.M.

Clear and cool. Moderate to stiff breeze from N.W. Barometer rising. At 6.30 ran ahead full speed. Course W. by S. (S.) At 6.57 hove patent log reading 4.7. Water temperature thermometer. Average steam 55 revolutions 33.5. Gun deck flooded with water coming in through scuppers and gun deck forts unable to secure scuppers.

C. S. Bookwalter.
Ensign U.S.N.

8 A.M. to Meridian

Clear and cool. Stiff breeze from N.W. and N.N.W. by W. Barometer rising fast two hours, steady last two. Sent down fore topgallant mast & deck. Set fore topmast staysail and spanker, and took in storm jigger. Set forecast at 11.30, and took them down. Going ahead full speed on engines. Average steam pressure 55 revolutions 33 smoked, sending head, stays and booms.

Ralph Earle
Ensign U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Moderate to gentle N.W. by W. and W.N.W. by breeze. Barometer steady. Took in main topsail at 12.30. Sent down main topgallant yard and unbent the sail at 1.00. Took in fore topmast staysail at 2.00. Sighted tank bound to S.E. and a steamer bound to S. At 3.00 spread fires under bridge N. At 6.35 sighted wreckage to N.E. and hove up to within a half a mile of it, evidently the lower mast of a vessel. Lat. 37° 35' N. Long. 74° W. On course N. 60 W. (S. 2 C.) At end of watch log read 363. Average revolutions 38.7 Average steam 55

Ralph Earle,
Ensign U.S.N.

4 to 6 P.M.

Fair and cool. Light N.W. breeze. Set all fore and aft sail at 4.00. Set course N. 75 W. (S. 2 C.) At 5.30 boiler "A" was disconnected up. Average steam 55 revolutions 40.6

Chas. Fahs
Lieut. U.S.N.

6 to 8 P.M.

Clear and cool. Light N.W. breeze. Barometer falling. On course N. 14 W. (S. C.) Took in spanker at 6.00. Average steam 55 revolutions 42.8

C. S. Bookwalter.
Ensign U.S.N.

8 P.M. to Midnight

Clear and cool. Moderate to stiff N.W. and W. by N. breeze. Barometer falling. At 8.45 took soundings in 49 fathoms, fine sand. At 11.50 took another sounding 18 fathoms. Average revolutions 40.1 Average steam 55

Ralph Earle
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lt. Navigator.

4-865

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At sea, making passage from Newport R.I. to Norfolk Va. and alongside of dock at Navy Yard

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1	5	2	41.2	N. 1/4 E.	N.E. by N.	5			30.20	54	48	46	47	b.c.	cu, ci	8	S
2	5	0	46.2	"	"	5			30.20	54	48	46	47	"	"	5	"
3	5	1	51.2	"	"	4			30.19	54	47	45	47	"	"	6	"
4	4	9	56.5	"	"	4			30.19	54	47	45	47	"	"	5	"
5	2	5	59.0	N.E. by N.	N.by E.	4			30.20	54	47	45	46	"	ci-s	4	"
6	1	3	60.3	N.E. by N.	"	4			30.23	52	46	45	46	"	"	4	"
7	5	1	65.4	N.E. by N.	East	3			30.27	54	45	45	46	"	"	4	"
8	7	9	73.3	N.E. by N.	"	3			30.30	54	45	44	46	"	"	5	"
9	5	3	78.6	Courses	"	3			30.32	54	45	44	46	"	"	6	"
10	7	9	86.5	N.E. by N. 3/4 N.	"	3			30.32	54	45	44	46	"	"	6	"
11	7	7	94.5	N.E. by N. 1/2 N.	"	3			30.30	54	45	44	46	"	"	6	"
Noon.	8	2	102.7	Courses	"	3			30.36	52	45	44	46	"	"	6	"
1	7	7	110.4	"	N.	2			30.36	54	45	44	46	"	"	7	"

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: 135 miles.

Distance by Log since preceding noon: 155.6 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, 16 tons, 960 lbs.

Coal remaining on hand at noon, 42 " 230 "

P. M.																
1	Pd log hauled		Courses	Calm	0			30.31	60	48	46	46	b.c.	ci-s	6	
2	"		"	"	0			30.31	60	48	46		"	ci-st	6	
3	Along side of		South	West	1			30.31	62	50	46		"	ci-cu	7	
4	Dock		S. by E.	S.E.	1			30.34	61	50	46		"	"	7	
5	"		"	Calm	0			30.37	63	49	49		"	"	7	
6	"		"	"	0			30.38	61	45	43		"	cb.	9	
7	"		"	"	0			30.38	61	42	39		"	cb.	9	
8	"		"	N.E.	1			30.39	59	42	39		"	"	9	
9	"		S 1/2 E	Calm	0			30.39	56	37	36		"	—	10	
10	"		"	"	0			30.40	55	35	34		"	—	10	
11	"		"	N.E.	1			30.40	53	33	33		"	—	10	
Mid.	"		"	"	1			30.40	52	33	32		"	—	10	

4—285

under the command of Commander Frank Cuttis, U. S. Navy,

to fill Ex Wednesday, Dec 7, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends at 4 A.M.

Clear and pleasant. Stiff to moderate N.E. by E. breeze. Barometer fills slightly. At 2 sounded in 20 fathoms, fine grey sand and at 4 in 18 fathoms fine grey sand. At 4.30 passed steamer bound to N.E. At 3.55 made Fog Island light bearing N.W. by N. Moored at 4.25. By course N. 14 E. Log reading at end, 9 miles 56 T. Average steam 60 revolutions 42

Ralph Earle,
Ensign U.S.N.

4 to 8 A.M.

Fair and cold. Moderate to gentle breezes from N. by E. to N.E. Course N. 14 E. (Mag.) Changed course to N. by E. Log 59 and to N.E. by E. Log 63 and to N.E. by E. Log 62.7. At 6.5 sighted Oak Charles Lightship bearing S. by E. (Mag.) Heading for the lightship. Set fore and aft sails and furled sail. Took in furled sail at 7.40. At 8.5 passed close by the Capel Charles Lightship. Average steam 58, revolutions 46.2

C. M. Fahs
Lieut U.S.N.

8 A.M. to Meridian

Fair and cold. Gentle breeze from N.E. to light breeze from N.E. Barometer steady. By order of the Commanding Officer declared Chas. Eschange (Colr.) a deserter from U.S.S. at 2.5 standing in to Hampton Roads. Average steam 58, revolutions 47.9

C. S. Bookwalter,
Ensign U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Calm to light breeze. Pretty fine. Barometer steady. Exchanged ~~numbers with U.S.S. Texas and fired a salute of 11 guns which was returned by the Texas~~ with 7 guns standing up toward Navy Yard. Moored alongside Appache. Fired salute of 11 guns which was returned by Ft. Pulaski battery by 7 guns. Exchanged numbers with Franklin. Commanding Officer made an official call on Commandant.

W. Griffin
Ensign U.S.N.

4 to 7 P.M.

Clear and cool. Calm. Barometer steady. Sent liberty party ashore. Allowed fires to die out under the three boilers. Began distilling. Pipe draft 16'8" aft 16" forward.

C. S. Bookwalter.
Ensign U.S.N.

7 P.M. to Midnight

Clear, cold, cool. Calms and light airs. Barometer steady.

W. Griffin
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut. Navigator.

4—885

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of Dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	States of the Sea.
A. M.				Sby H.	Calm	0			30.42	50	38	33		b	—	10	
1				"	"	0			30.43	49	33	32		"	"	10	
2				"	"	0			30.43	48	33	32		"	"	10	
3				"	"	0			30.43	47	32	31		"	"	10	
4				"	"	0			30.45	47	29	28		b	—	10	
5	Alongside of dock			"	"	0			30.45	47	29	28		"	—	10	
6				"	"	0			30.48	49	29	28		"	—	10	
7				"	Calm	1			30.50	38	28	28		b.c.	ci	5	
8				"	"	1			30.52	35	28	28		"	ci	6	
9				"	St. S.W.	1			30.55	42	32	31		"	"	6	
10				"	"	1			30.53	43	36	34		"	"	6	
11				"	"	1			30.59	46	42	38		"	"	6	
Noon.				"	"	1			30.59	46	42	37		"	"	6	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: 15 miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 3 tons, 305 lbs.

Coal remaining on hand at noon, 38 " 2165 "

P. M.																	
1	Alongside of Dock			St. S.W.	1			30.58	46	42	37		b.c.	ci		7	
2	"			"	1			30.58	46	42	37		"	"		5	
3	"			Calm	1			30.58	46	43	37		"	"		8	
4	"			Sby H.	1			30.58	46	43	40		"	"		5	
5	"			"	1			30.61	57	41	38		"	"		9	
6	"			"	1			30.64	50	39	37		"	"		9	
7	"			"	1			30.66	48	37	35		"	"		9	
8	"			"	1			30.67	45	36	35		"	"		9	
9	"			"	1			30.67	43	36	35		"	"		9	
10	"			"	1			30.69	45	36	35		"	"		9	
11	"			"	1			30.69	48	34	33		"	"		9	
Mid.	"			"	1			30.70	45	33	33		"	"		9	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, Dec 5, 1895.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear, cool and calm. Barometer rising. Moon rose at 1:15

Ralph Earle,
Ensign U.S.N.

4 to 8 A.M.
Clear and cool. Light airs from West. Barometer rising

C. S. Bookwalter,
Ensign U.S.N.

8 A.M. to Meridian
Clear and cool. Light N. N. W. airs. Barometer steady. At 11 AM mustered at quarters, no absentees. Cleaning away wreckage from around bow, and getting steam launch ready to put ashore

W. Kirkham
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Light variable airs. Barometer steady. The Commanding Officer awarded following punishment:- D. Kipinas Officer 3d class conduct class for misconduct to a Duty Petty Officer. Turned steam launch over to the Executive Department. The yard. Clearing away wreckage from bow, and straightening up gear of fore top gallant mast

Ralph Earle,
Ensign U.S.N.

4 to 8 P.M.
Clear and cool. Light N. by E. airs. Barometer high and rising

W. Kirkham
Ensign U.S.N.

8 P.M. to Midnight
Fair and cool. Light N. by W. airs. Barometer rising. Slack high water at 8:10

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock Navy Yard, Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.				Alongside of dock	N.N.W.	1			30.72	48	33	32		b.	—	10	
1				"	"	1			30.74	45	33	32		"	—	10	
2				"	"	1			30.74	44	31	31		"	—	10	
3				"	"	1			30.74	44	31	30		b.c.	cc	9	
4				"	"	1			30.70	44	29	29		b.	—	10	
5				"	"	2			30.76	42	28	28		"	—	10	
6				"	"	2			30.75	36	28	28		b.c.	S	6	
7				"	"	2			30.80	35	28	28		"	ci.s	6	
8				"	"	2			30.82	41	32	31		"	ci	7	
9				"	"	2			30.82	43	34	32		"	"	6	
10				"	"	3			30.81	45	34	32		"	"	7	
11				"	"	3			30.79	46	33	30		"	"	5	
Noon.																	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 2 tons, 520 lbs.

Coal remaining on hand at noon, 36 " 1645 "

P. M.																	
1		Alongside of dock			N.N.W.	3			30.74	49	35	33		b.c.	ci	7	
2		"			"	3			30.73	47	37	33		"	"	7	
3		"			"	3			30.73	47	36	32		"	"	7	
4		"			"	3			30.73	48	38	34		"	ci.cu.	8	
5		"			"	3			30.72	43	34	33		"	"	8	
6		"			"	3			30.72	43	34	33		"	"	8	
7		"			"	3			30.72	43	32	32		"	"	9	
8		"			"	2			30.72	43	32	30		"	"	9	
9		"			"	1			30.72	41	30	29		"	"	9	
10		"			"	2			30.71	41	30	28		"	"	9	
11		"			South	2-3			30.71	41	30	27		"	"	9	
Mid.		"			"	1-3			30.70	41	29	26		"	"	9	

4—365

under the command of Commander Frank Courtis, U. S. Navy,

Friday, Dec 9, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A M
Clear and cold. Light airs from N. & W.

C. W. Parks
Lieut & S. S.

4 to 8 A M
Clear to fair and cold. Light N. & W. airs and breze. Barometer high and rising. Loved, sail at 6.30

W. Ewin Shaw
Ensign U. S. N.

8 A M to Meridian
Fair and cold. Light to gentle N. & W. by breeze. Barometer falling. At 9.30 mustered at quarters. Absentees - G. Handley, Sea, and A. Connelly, L. 2 cl. Held divisional drills as follows: 1st, 2nd and 3d., battery drill and instruction; Navigators setting up, 4th setting up and company drill. At 10.20 provisions sail. M. J. Ryan, Lds., and J. Gallagher, 1 cl., returned on board, under overtime and A. Connelly, L. 2 cl., 5 hours overtime; Commanding Officer awarded following punishments:- Fra. Thorne, A. 1st., and C. H. Clark, M. 1st., for insubordience to Henderson, Steward, 5 days solitary confinement on bread and water. C. J. Pelley, Lds., night and hours overtime, 2nd conduct class. M. K. Scott, and R. Dalzell, Appr. 3 cl., not manning gear, 3 hours overtime and tight reduced to 3d. conduct class. M. J. Hart, Appr. 3 cl., disturbing extra messenger duty for one week, from hammocks to pipe down; A. Getz, Y. H. Miller, H. F. Tittle, Appr. 3 d., late hammocks, to be called 15 minutes before all hands; B. Coll, Appr. 3 d., insolence to Chief Master at Arms, 4 hours extra watch; A. Bennett, Appr. 3 d., insolence to Chief Petty Officer, 2 hours extra watch for one week; J. Olsen, B. Kelly, 1 hour overtime and tight reduced to 3d. conduct class. Placed F. C. Thorne and C. H. Clark, M. 1st., in solitary confinement on bread and water for 5 days by order of Commanding Officer. Yard workmen Mc. C and R took ashore broken head to me. At 9 A.M. Constructor on board making estimates of work to be done.

Paspr's Case,
Ensign U. S. N.

Meridian to 4 P M
Clear and cold. Gentle N. & W. breze. At 1.30 exercised the four divisions of apprentices on the dock at marching without guns. P. Handley, Sea, was brought on board by the master-at-arms, for insolence to the police, and by order of the Commander, a fine of $2.00 was paid to the police to satisfy a fine imposed on him by Court in Norfolk for creating a disturbance. At 2 P.M. Yard workmen left board in charge of instructor and repair party. Tested machinery, drains and fresh water and found them all in good order. At 3 P.M. Divisions of Officers of the Commander & Ensigns mustered and held a survey on board on articles, hull & equipment.

C. W. Parks
Lieut U. S. N.

4 to 8 P M
Fair and cold. Gentle to light N. & W. by airs. Barometer steady. Yard workmen in C and R Dept caulking gun deck, repairing head, and measuring for new head rigging, on board until 4.45 P.M. Illness, Gpr. 3d., Jno. J. Costin, C. H. Mach., left ship for hospital this date at 12 M. By order of Comdg Officer released C. H. Clark, M. 1st. C. from confinement, the punishment being deferred, and confined J. H. Lyle, M. 1st. Appr. 3 cl., for five days solitary confinement on bread and water for stealing from mess and various lockers.

Paspr's Case,
Ensign U. S. N.

I have read and found to be correct.

Clear and cold. Light breze from N. & W.

C. W. Parks
Lieut U. S. N.

E. E. Wright U. S. N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1			Alongside of dock.		North	1			30.68	40	29	26		b. cl	ci	9	
2			"		"	1			30.65	40	28	25		"	"	9	
3			"		"	1			30.63	40	27	25		"	"	9	
4			"		"	1			30.62	40	27	25		"	"	9	
5			"		Calm.	0			30.56	38	24	24		"	St.	8	
6			"		"	0			30.53	37	21	21		"	"	8	
7			"		West	1			30.53	36	20	20		"	"	8	
8			"		"	1			30.52	37	21	21		"	"	9	
9			"		"	1			30.52	42	28	27		"	"	9	
10			"		"	1			30.57	42	34	30		"	"	9	
11			"		"	1			30.48	42	35	30		"	"	9	
Noon.			"		"	1			30.45	46	37	32		"	"	9	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2550 "

Coal consumed during the preceding 24 hours, 1 tons, 960 lbs.

Coal remaining on hand at noon, 35 " 685 "

P. M.																	
1	Alongside of dock.			West	1			30.39	44	42	36		b.	mod	10	
2			"	"	1			30.30	49	47	41		"	"	10	
3			"	"	2			30.34	56	47	43		b.c.	ci.s	9	
4			"	"	1			30.33	58	47	42		"	"	9	
5			"	S.W.	1			30.30	49	38	35		"	"	9	
6			"	Calm	0			30.31	47	37	34		"	"	9	
7			"	S.W.	1			30.28	47	36	33		"	"	9	
8			"	"	1			30.27	47	34	32		"	"	9	
9			"	"	1			30.27	45	33	31		b.	mod	10	
10			"	"	1			30.23	44	33	31		"	"	10	
11			"	"	1			30.19	44	32	30		"	"	10	
Mid.			"	"	1			30.17	45	32	30		"	"	10	

under the command of Commander Frank Coutts, U. S. Navy,

Saturday, Dec 10, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and muster 4 A.M
Clear and cold. Light airs from N.W. Barometer falling.

C. S. Bookwalter.
Ensign U.S.N.

4 to 8 A.M
Fair and cold. Calms and light N'ly airs. Barometer falling. Aired bedding.
J. O. Steuman, Oiler, returned from liberty, one half hour overstayed. Workyard at 4.

Ralph Earle,
Ensign U.S.N.

8 A.M to Meridian
Clear and cold. Light airs from West. At 9.30 inspected at quarters. Piped up all hands and inspected them and made out clothing and small stores requisitions. Board of Survey, Lt. Goode, P.A. Surgeon Kibbe, Asst. Engineer Manter surveyed articles in equipment. The Commander detailed J. L. Bigham, Sea, to Ordinary.

Chas. Dakin
Lieut U.S.N.

Meridian to 4 P.M
Clear and cool. Light airs to light breeze from West. Barometer falling.

C. S. Bookwalter.
Ensign U.S.N.

4 to 8 A.M
Clear and cool. Light airs from S.W. Calm, second hour. Received on board the new port anchor, chain bitt.

Chas. Dakin
Lieut U.S.N.

8 P.M to Midnight
Clear and cold. Light airs from S.W. Barometer falling.

C. S. Bookwalter.
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut & Navigator.

4-900

LOG of the UNITED STATES Training Ship Essex 3d Rate.

Alongside of dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				Alongside of dock	S W	1			30.15	45	31	27		b.c.	none	10	
2				"	"	1			30.14	44	29	26		"	"	10	
3				"	"	1			30.12	44	28	26		"	"	10	
4				"	"	1			30.09	50	27	27		"	"	10	
5				"	W. by S.	1			30.06	50	27	27		b.	"	10	
6				"	"	1			30.05	50	27	27		"	"	10	
7				"	"	1			30.04	49	26	26		"	"	10	
8				"	"	1			30.02	51	29	28		"	"	10	
9				"	W. by W.	1			30.01	51	35	33		"	"	10	
10				"	"	2			30.01	51	40	36		"	"	10	
11				"	"	2			29.99	51	45	40		b.c.	c.s.	9	
Noon.				"	"	2			29.97	54	46	41		"	"	9	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 480 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 1 tons, 500 lbs.

Coal remaining on hand at noon, 34 " 185 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																	
1				Alongside of dock	W. by S.	2			29.94	56	48	45		b.	none	10	
2				"	"	2			29.91	56	54	48		"	"	10	
3				"	"	2			29.90	56	57	48		"	"	4	
4				"	"	2			29.91	56	51	48		"	"	10	
5				"	West	1			29.92	55	46	42		b.c.	c.s.	9	
6				"	"	1			29.91	57	44	40		b.	none	10	
7				"	"	1			29.92	56	42	38		"	"	10	
8				"	Calm	0			29.92	54	40	37		"	"	10	
9				"	S. W.	1			29.91	54	40	37		"	"	10	
10				"	"	1			29.91	54	38	36		"	"	10	
11				"	"	1			29.91	54	37	36		"	"	10	
Mid.				"	"	1			29.90	53	37	36		"	"	10	

under the command of Commander Frank Curtis, U. S. Navy,

Sunday, Dec 11, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight and until 4 A.M.
Clear and cold. Light N. N. W. airs. Barometer falling slowly.

C M Dashiell
Lieut U. S. N.

4 to 8 A.M.
Clear and cold. Light N. easterly airs. Barometer falling. Divine Service at 10 A.M. returned on board from leave.

W Reynolds
Ensign U. S. N.

8 A.M. to Meridian
Clear and pleasant. Light breezes from N. N. W. Barometer falling. Quarters for inspection at 9.30. Read articles of war and published General Orders after which had General Muster. Held Divine services. Sent liberty party ashore.

C. S. Boopwalter
Ensign U. S. N.

Meridian to 4 P.M.
Clear and pleasant. Light N. N. W. breeze. Barometer falling first hour, steady last three. The Chaplain held divine service at 1.45

W Reynolds
Ensign U. S. N.

4 to 8 P.M.
Clear and pleasant. Light N. W. airs from N. at. Barometer steady

C. S. Boopwalter
Ensign U. S. N.

8 P.M. to Midnight
Clear and pleasant. Light N. W. airs and calms. Barometer rising slightly

W Reynolds
Ensign U. S. N.

Examined and found to be correct.

E. C. Murphy
Lieut Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1			Alongside of dock		S.W.	1			29.94	54	35	33		b	none		
2			"		Calm	0			29.95	57	34	33		b.c.	S.		
3			"		S.W.	1			29.97	58	32	30		"	"		
4			"		"	1			29.97	54	31	30		"	"		
5			"		Calm	0			29.95	57	31	30		"	"		
6			"		"	0			29.94	57	31	30		"	"		
7			"		S.W.	1			29.94	45	32	29		"	c.s.		
8			"		"	1			29.94	42	31	29		"	"		
9			"		S.S.W.	1			29.95	49	35	34		c.c.	a.s		
10			"		S.W.	1			29.96	51	38	36		"	"		
11			"		"	1			29.95	53	42	40		"	"		
Noon.			"		"	2			29.91	55	43	41		"	b.c.		

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, 1 tons, 470 lbs.

Coal remaining on hand at noon, 32 " 1955 "

P. M.															
1		Alongside of dock.	"	S.W.	1			29.91	55	46	44	o.c.s	nim	0	
2		"	"	"	1			29.89	56	48	45	"	"	0	
3		"	"	"	1			29.89	58	45	45	"	"	0	
4		"	"	"	1			29.89	55	47	47	"	"	0	
5		"	"	"	1			29.88	55	37	36	"	"	0	
6		"	"	"	1			29.88	54	35	35	b.c.	"	2	
7		"	"	"	1			29.88	54	35	35	o.c.s	"	0	
8		"	"	"	2			29.88	54	35	35	"	"	0	
9		"	"	"	2			29.91	54	36	34	b.c.	str	9	
10		"	"	"	2			29.92	51	36	34	b.	none	10	
11		"	"	"	2			29.93	49	36	34	"	"	10	
Mid.		"	"	"	1			29.97	47	36	34	"	"	11	

under the command of Commander Frank Coates, U. S. Navy,

Monday Dec. 12, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and muster 4 A.M.
Clear and cold. Calm and light S.W. airs. Barometer rising

Ralph Earle.
Ensign U.S.N.

4 to 8 A.M.
Clear and cold. Calm to light airs from S.W. Barometer steady. Scrubbed underclothes.

C.S. Bootswalter.
Ensign U.S.N.

8 A.M. to Meridian
Overcast and cloudy. Fresh Light airs from S.W. and S. Barometer falling. At 9.30 mustered at quarters. Absentees as follows, Captain of Mch. After which, Divided divisions & setting up drill. Lowered down mast topsail and spanker gaffe and began scraping them. Scraping gear of 3rd cutter. Yard workmen on board employed as per routine. Received on board by contractor for port side. The Commander assigned the following punishments:- Handley G. Sea, 6 hours rifle bar, reduced to 2nd conduct class; Gallagher P. H. C., 1 hour over leave and returning from liberty tight, reduced to 2nd conduct class; Luckmann F. Oiler, 1 hour over leave and returning from liberty tight, reduced to 2nd conduct class; O'Brien J. H. C. 1 hour over liberty reduced to 2nd conduct class; Ingham S. Oppr., smoking, 5 hours extra duty for one week; Bingle A. Oppr., losing cap, 4 hrs. extra duty

W. Rees Lewis
Ensign U.S.N.

Meridian to 4 P.M.
Overcast and cloudy with light snow. Light S.W. by W. airs. Barometer fell slightly. Received on board one 1500 lb riding bitt for starboard chain, and emplacing base of port bitt. Yard workmen in C and R on board from 1 to working on head, hatch combing, caulking gun deck shifting hoops and stopping port centre bitt and riding bitt, and awning bands for Engineer, for fall over scuttle, New scraping gaffe, funnel, and third cutter. Lowered down 3rd cutter and returned here in basin. J. L. Ingham, Oa., Watching day given an acting appointment as coxswain, to date from Nov 5 1898. Received on Equipt following stores:- 62 lbs. manilla 6 thread, 75 lbs. manilla 15 thread, 60 lbs. manilla 3½", 80 lbs. oakum, 66 lbs. 9 thread hemp, 2 pairs pliers, 10 lbs. 4" nails 18 marline spikes.

Ralph Earle,
Ensign U.S.N.

4 to 8 P.M.
Overcast. Mooring first and last bergue. Light S.W. breze. Barometer steady. Yard workmen employed in various Departments, up mustered 5 o'clock. Ensign C. Bookwalter U.S.N. D.S.F. left for ship for two days leave of absence

W. Rees Lewis
Ensign U.S.N.

8 P.M. to Midnight
Clear and pleasant. Light S.W. by W breze and airs. Barometer rising. J. Gaitain, Ch. Mach., returned from leave 36 hours overtime

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. Ellwood
Lieut. & Navigator.

4-865

LOG of the UNITED STATES *Training Ship Essex* 2d Rate,

Alongside of dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.																	
1				*Alongside of dock*	*S.W.*	*1*			*29.98*	*48*	*35*	*35*		*b*	*none*	*10*	
2				"	"	*1*			*29.99*	*47*	*34*	*34*		"	"	*10*	
3				"	"	*1*			*30.00*	*45*	*34*	*34*		"	"	*10*	
4				"	"	*1*			*30.03*	*45*	*34*	*34*		"	"	*10*	
5				"	"	*1*			*30.05*	*47*	*33*	*32*		"	"	*10*	
6				"	"	*1*			*30.09*	*46*	*33*	*33*		"	"	*10*	
7				"	"	*1*			*30.11*	*46*	*32*	*31*		"	"	*10*	
8				"	*West*	*1*			*30.20*	*45*	*34*	*33*		"	"	*10*	
9				"	*S.S.W.*	*2*			*30.22*	*45*	*41*	*39*		*b.c.*	*cu.*	*8*	
10				"	"	*2*			*30.19*	*52*	*38*	*35*		"	"	*8*	
11				"	"	*3*			*30.29*	*53*	*38*	*35*		"	"	*9*	
Noon.				"	"	*3*			*30.27*	*53*	*32*	*31*		"	"	*9*	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, *500* gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, *1150* "

Coal consumed during the preceding 24 hours, *1* tons, *370* lbs.

Coal remaining on hand at noon, *31* " *1585* "

P. M.																	
1				*Alongside of dock*	*South*	*3*			*30.26*	*49*	*37*	*35*		*b.c.*	*a.d*	*9*	
2				"	"	*3*			*30.27*	*49*	*39*	*36*		"	*ci.cu.*	*7*	
3				"	*S.S.E*	*3*			*30.31*	*47*	*36*	*34*		"	"	*4*	
4				"	"	*3*			*30.33*	*47*	*38*	*35*		"	"	*8*	
5				"	"	*3*			*30.36*	*44*	*34*	*32*		"	"	*8*	
6				"	*South*	*3*			*30.39*	*44*	*32*	*31*		"	"	*8*	
7				"	"	*3*			*30.42*	*44*	*32*	*31*		"	"	*8*	
8				"	"	*3*			*30.44*	*44*	*32*	*31*		"	"	*8*	
9				"	"	*2*			*30.48*	*43*	*31*	*30*		*b.*	*none*	*10*	
10				"	"	*3*			*30.53*	*43*	*31*	*29*		"	"	*10*	
11				"	"	*3*			*30.56*	*39*	*29*	*27*		*b.c.*	*A*	*8*	
Mid.				"	"	*3*			*30.60*	*39*	*28*	*26*		"	"	*9*	

4—865

under the command of Commander Frank Cuttis, U. S. Navy,

Tuesday, Dec 18, 1894.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M
Clear and pleasant Light SE airs

Cm Fahs
Lieut U.S.N.

4 to 8 A.M
Clear and pleasant Light SE airs. Barometer rising. Received Commissary Dept. 37 lbs. bread. Received in Dept of S. and A. following fresh provisions, 157 lbs. bread, 196 lbs of beef and vegetables.

Wm Burr
Cmsgn U.S.N.

8 A.M to Meridian
Fair and cold. Light to gentle S.E. & E. breeze. Barometer rising. At 8.15 hoisted cask to dry and pulled it at 10.15. At 9.30 mustered at quarters, absentee 1 2nd class, Appr. All divine service performed by Commanding Officer awarded following punishments:- J. S. Sullivan and Appr. using profane language, 1st hour on mizzen crosstree; C. Sullivan, Ck B.N., drunk on board ship, reduced to 4th Goodconduct class; J. H. Certain, Ck Mach, 3½ hours overtime and returning on board drunk, to be confined until sobry and reduced to 4th conduct class. Placed by order of Cmdg Officer, J. H. Certain Ck Mach, on double ropes on forth deck until sober. Yard workmen on board from 8 until 12 m. and R. working on head, hatch combings, bitts, and gun deck scuppers. Sent aloft, starboard, riding lights. Maximum temperature of magazine 65. Chaplain C.S. Parks left the ship on three days leave of absence.

Rayph Earle
Cmsgn U.S.N.

Meridian to 4 P.M
Fair and cold. Gentle breeze from S.E. to S.S.E. By order of the Commander released J. H. Certain, Ck Mach, from confinement and returned him to duty. Yard workmen at work on board at hatch combings, scuppers, heads and bitts.

Cm Fahs
Lieut U.S.N.

4 to 8 P.M
Clear and cold, Gentle S.S.E. by and S by breeze. Barometer rising. Yard workmen as in forenoon watch. Left ship at 5.

Rayph Earle
Cmsgn U.S.N.

8 P.M to Midnight
Clear, and cold. Light to gentle breeze from Southerly. Barometer rising

Cm Fahs
Lieut U.S.N.

Examined and found to be correct.

E E Wright
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock Navy Yard, Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Cloud Sky, in 10ths.	State of the Sea.
A. M.																	
1				Alongside of dock	South				30.63	39	28	26		b. c.	b	9	
2				"	"				30.65	41	26	24		"	"	9	
3				"	S. S. W.				30.69	43	25	24		"	"	9	
4				"	"				30.72	43	23	23		"	"	9	
5				"	"				30.72	42	23	23		b.	more	10	
6				"	"				30.75	42	23	23		"	"	10	
7				"	"				30.78	38	23	23		b. c.	cu.	7	
8				"	"				30.79	38	24	24		"	"	7	
9				"	"				30.84	42	31	29		"	"	7	
10				"	"				30.91	53	31	31		"	"	7	
11				"	"				30.90	53	32	31		"	"	7	
Noon.				"	"				30.85	53	32	31		"	"	7	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 550 "

Coal consumed during the preceding 24 hours, 1 tons, 695 lbs.

Coal remaining on hand at noon, 30 " 890 "

P. M.																
1	Alongside of dock	"	"	S. S. W.	1			30.80	53	30	29		b. c.	cu.	9	
2	"	"	"	"	1			30.80	53	30	29		"	"	9	
3	"	"	"	"	1			30.82	53	30	29		"	"	9	
4	"	"	"	"	1			30.82	53	30	29		"	"	9	
5	"	"	"	East	1			30.83	48	28	28		b.	more	11	
6	"	"	"	Calm	0			30.83	46	27	26		"	"	11	
7	"	"	"	"	0			30.83	44	25	25		"	"	12	
8	"	"	"	S. E.	1			30.83	44	24	24		"	"	10	
9	"	"	"	"	1			30.83	42	24	24		"	"	10	
10	"	"	"	East	1			30.83	42	24	24		"	"	10	
11	"	"	"	"	1			30.83	42	24	24		"	"	10	
Mid.	"	"	"	"	1			30.83	42	24	24		"	"	11	

under the command of Commander Frank Coutts, U. S. Navy,

Wednesday, Dec 14, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends as M

Clear and cold. Gentle to moderate breeze from N. and N.N.W. Barometer high and rising.

Ensign U.S.N.

4 to 8 A.M.

Meridian to 4 P.M.

Stores received from U.S.N. Navy Yard Norfolk Va. in Equipment Dept. (Among other Stores)

(1) Signal set No 3	(1) Negative No 3	-1 Count No 6
(1) " " 6	(1) " .6	- (1) Am. Ens. .4
(1) Set Repeaters " 3	(1) Numeral .3	- (1) " " .5
(1) " " 6	(1) " .6	- (1) Boat " .8
(1) Affirmative .3	(1) Preparatory " 3	- 12 Globes for hand lanterns
(1) " " 6 remnant	(1) " .6	- (2) Binnacle D. Blamps.
(1) Convoy .3	(1) Telegraph Flag .3	(1) gun lamp wicks
(1) Position .3	(1) Gen. Recall .3	
(1) " .6	(1) Danger " .3	
(1) Annulling .3	(1) Indentine " .3	
(1) " .6	(1) Despatch " .3	
(1) Answering .3	(1) Prudent " .3	
(1) " .6	(1) Guard " .3	
(1) Church .3	(1) " .6	
(1) Interrogatory .3	(1) Compass .3	
(1) " .6	(1) " .6	
(1) Comb .8		

Ensign U.S.N.

Paged Carle, Ensign U.S.N.

...e inspected and mustered ...d detailing ...k drill ...ers to C.E. Hunt Apps.c. for ...gnment and returned to duty ...men on board at work in ...ng appointments as ...mpl, from Oct 1-98; Long T. ...Fitzgerald, John, Opk. for ...T. Dennis, Prop't, 10-13-98, ... Oct 13-98; Crawford H.F.,

Lieut U.S.N.

...steady. Yard ...men on ...ers list. U.S.S. Leonidas ... Ensign C.E. Brookwalter ...with bag and hammock

Ensign U.S.N.

Lieut U.S.N.

8 P.M. to Midnight

Clear and hazy. Light variable airs. Barometer steady

Ensign U.S.N.

Examined and found to be correct.

E.E. Wright
Lieut U.S.N. Navigator.

under the command of Commander Frank Cruttè, U. S. Navy,

Wednesday, Dec 14, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and cold. Gentle to moderate breeze from N. and N.N.W. Barometer high and rising.

Ensign U.S.N.

4 to 8 A.M.
Clear and cold. Light N.N.W. breeze. Barometer rising.

Ensign U.S.N.

8 A.M. to Meridian
Fair and cold. Light N.N.W. breeze. Barometer rising. At 9.30 inspected and mustered at quarters. Absent without leave: J.H. Morris, Apr. 3d. Exercised department in setting up drill three signals. The Commander awarded 8 hours extra duty to C.E. Hunt, Apr. 3d. for smoking. By order of the Commander released from confinement and restored to duty H.C. Thorne, Matt, and J. Hutt, Apr. 2d. Navy Yard workmen on board at work in Construction Department. The Commander relieved acting appointments as follows:- P. Sullivan, Gun. B.M., to date from Oct. 4-98, Matt. Drane, B.M. 2c, from Oct. 1-98, Long T. B. M. 2c, from Nov. 25-98, Freitag, Chas. C. from Dec. 1, 98, Fitzgerald, John, C.Y. from Oct. 6-98, McElroy, David, 2 M.M., from Nov. 23-98, Merchant, Hyp. T. Dr. M., from Nov. 13-98, Wright, Frank, M.A.A. 3d, from Oct. 4-98, Stein, John, Y.M. 3d, from Oct. 13-98, Crawford, H.H., B.M. 1c, from Oct. 4-98.

Lieut U.S.N.

Meridian to 4 P.M.
Clear and cold. Light N.N.W. airs. Barometer high and steady. Yard workmen on board on Construction Dept. Received Navigating Stores as per list. U.S.S. Iguidae left the yard. U.S.S. Fish Hawk came up to the yard. Ensign C.C. Bookwalter, U.S.N. detached and ordered to U.S.S. Resolute. Transferred with bag and hammock to Tamaroga, H.R. Cook, to the U.S. Naval Hospital, Norfolk, Va.

Ensign U.S.N.

4 to 8 P.M.
Clear and cold. Light variable airs, calm at times.

Lieut U.S.N.

8 P.M. to Midnight
Clear and hazy. Light variable airs. Barometer steady.

Ensign U.S.N.

Examined and found to be correct.

E.E. Wright
Lieut U.S.N. Navigator.

4-985

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Alongside of dock	SW	1			30.81	42	21	20		b.	mist	10	
2				"	Calm	0			30.81	40	20	20		"	"	10	
3				"	"	0			30.81	38	19	19		"	"	10	
4				"	"	0			30.80	38	19	19		"	"	10	
5				"	"	0			30.79	38	19	19		"	"	10	
6				"	SSE	1			30.79	39	19	19		b.c.	S	8	
7				"	SW	1			30.80	40	18	18		"	"	8	
8				"	"	1			30.80	41	19	19		"	"	9	
9				"	WSW	1			30.83	44	31	31		b.	mist	10	
10				"	"	1			30.83	46	39	38		"	"	10	
11				"	Calm	0			30.83	53	44	41		"	"	10	
Noon.				"	"	0			30.80	57	45	42		"	"	10	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 570 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 11051 "

Coal consumed during the preceding 24 hours, 1 tons, 1785 lbs.

Coal remaining on hand at noon, 28 " 1345 "

P. M.																	
1				Alongside of dock	Calm	0			30.73	61	45	42		b.	mist	10	
2				"	"	0			30.77	63	47	42		"	"	10	
3				"	"	0			30.77	65	49	46		"	"	10	
4				"	S	1			30.77	66	46	45		"	"	10	
5				"	"	1			30.78	66	44	43		"	"	10	
6				"	Calm	0			30.78	66	36	36		"	"	10	
7				"	"	0			30.78	66	34	34		"	"	10	
8				"	"	0			30.75	64	31	30		"	"	10	
9				"	"	0			30.77	57	25	26		"	"	10	
10				"	"	0			30.76	51	27	24		"	"	10	
11				"	"	0			30.74	50	27	24		"	"	10	
Mid.				"	"	0			30.74	49	27	24		"	"	10	

under the command of Commander Frank Coontz, U. S. Navy,

Thursday, Dec 15, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Clear and cold. Light S.W. airs first hour. Calm remainder.

C. M. Dahlo
Lieut. U.S.N.

4 to 8 A.M.
Clear and cold. Calm first hour, light variable airs remainder.

C. M. Dahlo
Lieut. U.S.N.

8 A.M. to Meridian
Clear and hazy. Calms and light S.W. airs. Barometer steady. At 9.30 mustered at Quarters. Asst Surgeons, J. L. Morris Apr 3c. & A. Dawson Apr 3c reported from leave. Received on Pay. Dept. fresh provisions as follows, 1964 lbs. of beef and vegetables, and 157 lbs. of soft bread.

W. H. Lee
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Calms and light S'ly airs. Barometer fell slightly. Yard workmen on board mending R.R. and Steam Eng. at work on hatch combings, kempers, bitts, and 4" = 4" R.F.D. gunnt, and minor repairs in engine room. Found 1.00 inch end of water. Issuing clothing, and small stores to all divisions. Mending day.

Ralph Earle,
Ensign U.S.N.

4 to 8 P.M.
Clear and hazy. Calms. Light airs from South. Barometer steady. At 5.00 mustered at quarters and ordered out boat hammocks. Yard workmen on board until 5 o'clock in Construction and Steam Engineering Dept.

W. H. Lee
Ensign U.S.N.

8 P.M. to Midnight
Clear, cold and calm. Barometer fell slightly.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut. & Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1			Alongside of dock	Calm	0				30.74	49	27	24		b.	none	10	
2			"	"	0				30.74	48	26	24		"	"	10	
3			"	"	0				30.74	48	26	24		"	"	10	
4			"	"	0				30.74	48	27	25		"	"	10	
5			"	"	0				30.73	42	27	26		b.c.	s	8	
6			"	"	0				30.73	44	27	26		"	"	8	
7			"	"	0				30.73	39	28	26		b.c.m.	"	7	
8			"	"	0				30.73	39	28	26		"	"	7	
9			"	"	0				30.75	46	43	41		"	"	7	
10			"	"	0				30.75	63	51	46		"	"	9	
11			"	"	0				30.75	63	52	46		"	"	9	
Noon.			"	"	0				30.74	57	54	50		"	"	9	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1050 "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 1 tons, 2160 lbs.

Coal remaining on hand at noon, 26 " 1425 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1			Alongside of dock	Calm	0				30.72	60	58	49		b.	none	10	
2			"	"	0				30.71	63	59	53		b.c.	cirro	9	
3			"	N.E.	1				30.70	66	60	48		"	"	9	
4			"	N.E.	1				30.70	65	62	47		"	"	8	
5			"	E.S.E.	1				30.69	62	46	42		"	"	8	
6			"	"	1				30.69	61	45	38		"	"	8	
7			"	"	1				30.69	59	40	36		"	"	8	
8			"	"	1				30.66	59	38	34		"	"	8	
9			"	Calm	0				30.67	55	36	34		b.	none	10	
10			"	West	1				30.67	54	34	32		"	"	10	
11			"	Calm	0				30.67	52	33	32		"	"	10	
Mid.			"	"	0				30.64	52	32	32		"	"	10	

under the command of Commander Frank Courtis, U. S. Navy,

Friday Dec 16, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and hazy. Calm. Barometer steady.

W. Griffin
Ensign U.S.N.

4 to 8 A.M.
Fair and very hazy. Calm. Barometer steady.

W. Griffin
Ensign U.S.N.

8 A.M. to Meridian
Fair hazy and calm. Barometer fell slightly. At 9.30 mustered at quarters, absentees, J. L. Morris Apr 3d, absent without leave. Hard workmen employed from 8 to 12 in C.P.O., working and hatches, scuppers, hatch combings, ladders, hand pumps, clocks, bitts, and mounted 8 - 4" R.F.L. in Steam Engineering, on crank shaft flow and feed pipes and cylinder lagging. Turned in dirty hammocks to be scrubbed. Stationed all hands for sail drill, Commanding Officer awarded the following punishments - Squires A. J. Apr 3d, swiping, 5 hours extra duty; Anderson A. L. Apr 3d, doing prevent of work, extra duty; Morgan J. Apr 3d, losing overcoat, one week extra duty; Fletcher J. W. Ch. P.O., drunk and unfit for duty reduced to 2nd conduct class. Tested magazine flood cocks, and found them in good condition. Maximum temperature of Magazines 64. By order of Bureau of Navigation discharged from Naval Service, C. A. Clark, Mate Attn., discharged as undesirable person. Chaplain C. A. Parks returned from leave.

Ralph Earle
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Calm first half. Light E.S.E. Lazy remainder. Exercised at sail drill. Hard workmen at work on board, on hands, water closets, hatchways, and in Engineers Department.

C. M. Dahr
Lieut. U.S.N.

4 to 8 P.M.
Fair and pleasant. Light E.S.E'ly airs. Barometer fell slightly. Commander Frank Courtis left the ship on two days leave of absence. Lieutenant J. Doty left the ship on three days leave of absence. Hard workmen as per previous watch. Left ship at 5.00 P.M. Williams, Mate Attn., reported with bag and hammock from U.S.S. Franklin.

Ralph Earle
Ensign U.S.N.

8 P.M. to Midnight,
Clear and cool. Calm.

C. M. Dahr
Lieut. U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut. U.S.N. Navigator.

4—203

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock Navy Yard Norfolk Va

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1			Alongside of dock	Calm		0			30.62	58	32	32		b	nmbl	10	
2			"	"		0			30.60	49	32	32		"	"	10	
3			"	"		0			30.57	48	32	29		"	"	10	
4			"	"	S.S.E.	1			30.56	47	36	34		"	"	10	
5			"	"	Calm	0			30.53	52	34	33		"	"	10	
6			"	"		0			30.52	54	36	35		b.c.	S	8	
7			"	"	S.S.E.	1			30.52	60	36	35		"	cu.s	4	
8			"	"	"	1			30.52	58	40	37		"	"	4	
9			"	"	S.	1			30.55	54	42	39		"	"	4	
10			"	"	"	1			30.57	54	44	40		"	"	4	
11			"	"	"	1			30.57	56	44	41		"	"	4	
Noon.			"	"	"	1			30.47	58	53	45		"	"	4	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 2 tons, 220 lbs.

Coal remaining on hand at noon, 24 " 1205 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1			Alongside of dock	S.S.W.		1			30.44	58	55	50		b.c.	cu.s	0	
2			"	West		1			30.44	58	55	50		b.c.u	nmbl	0	
3			"	"		1			30.44	58	55	50		b.c.u	"	3	
4			"	"		1			30.44	58	51	50		b.c.	cu.s	6	
5			"	"		1			30.44	58	48	47		"	Fair	8	
6			"	"		1			30.44	59	47	46		b.c.u.	S	9	
7			"	"	Calm	0			30.45	58	46	45		b.c.u.s	"	9	
8			"	"	"	0			30.45	57	42	42		b.f.		8	
9			"	"	"	0			30.45	57	37	37		"		8	
10			"	"	"	0			30.45	57	36	36		"		6	
11			"	"	"	0			30.44	56	35	34		"		8	
Mid.			"	"	"	1			30.44	56	35	34		"		4	

under the command of Commander Frank Curtis, U. S. Navy,

Saturday, Dec 17, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and mutt 4 A.M.
Clear and cold. Calms and light S.S.E'ly airs. Barometer falling.

Ralph Earle
Ensign U.S.N.

4 to 8 A.M.
Cloudy and cold. Calms and light S.S.E'ly airs. Barometer steady. Moored ship. Tug Mohawk came alongside at 7.30 and shifted Crane's berth under the three legs. Mooring ship at end of watch.

Ralph Earle
Ensign U.S.N.

8 A.M. to Meridian
Cloudy and pleasant. Light airs from South. Received in Pay Dept. for crew 157 lbs of fresh bread, and 192 1/4 lbs. of fresh beef and vegetables each. Furnished mooring the ship.

Chas Hahn
Lieut U.S.N.

Meridian to 4 P.M.
Overcast and rainy first three hours, clearing last hour. Light airs from S.S.E. and East. Barometer steady at 30.07 remained for quarters in the yard. Sent liberty party on board to relieve liberty party on board U.S.S. Iowa. Left the yard. Received pay Dept. of A. and A. following fresh provisions; 196 1/4 lbs. each of fresh beef and vegetables and 156 lbs. of soft bread. U.S.S. Iowa returned to yard at 4 o'clock.

Ensign U.S.N.

4 to 8 P.M.
Fair and pleasant. Light airs from East.

Chas Hahn
Lieut U.S.N.

8 P.M. to Midnight
Foggy with clear sky overhead. Calm. Barometer steady. At 9.45 C.H. Suffield App 3d, was found to be absent from the ship without permission

Ensign U.S.N.

Examined and found to be correct.

E.E. Wright
Lieut & Navigator.

4-865

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock, Navy Yard, Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	Stated False Sea.
A. M.																	
1			Alongside of dock	Calm	0				30.41	57	35	35		b.f.		3	
2			"	"	0				30.41	50	33	33		"		5	
3			"	"	0				30.41	53	32	32		"		4	
4			"	"	0				30.40	48	31	31		"		2	
5			"	"	0				30.40	48	30	29		"		10	
6			"	"	0				30.40	48	29	29		b.c.f.	cu.s.	6	
7			"	"	0				30.41	49	29	29		"	"	6	
8			"	"	0				30.40	52	31	30		b.c.	"	7	
9			"	"	0				30.40	46	37	37		b.c.m	s.	9	
10			"	"	0				30.40	50	45	44		b.m.	mist	10	
11			"	S.S.W.	1				30.40	52	48	47		b.c.	ci	9	
Noon.			"	"	1				30.37	56	63	50		"	"	8	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 1785 lbs.

Coal remaining on hand at noon, 22 " 1660 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	Stated False Sea.
P. M.																	
1			Alongside of dock	Calm	0				30.35	62	62	58		b.c.	ci.		
2			"	S.S.W.	1				30.30	62	62	58		"	"		
3			"	"	1				30.29	62	62	58		"	"		
4			"	Calm	0				30.29	64	59	54		"	"		
5			"	"	0				30.30	64	51	50		"	"		
6			"	"	0				30.32	60	47	47		"	"		
7			"	"	0				30.33	61	45	45		b.c.m	"		
8			"	"	0				30.35	60	42	42		"	"		
9			"	"	0				30.36	58	38	38		"	"		
10			"	"	0				30.36	58	37	37		"	"		
11			"	"	0				30.37	54	36	35		"	"		
Mid.			"	"	0				30.37	54	34	33		"	"		

under the command of Commander Frank Cuttis, U. S. Navy,

Sunday, Dec 18, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and mostly + to 4 A.M.
Cloudy and calm. Foggy.

Gun Fast.
Lieut U.S.N.

4 to 8 A.M.
Fair and cold. Calm. Foggy.

Gun Fast
Lieut U.S.N.

8 A.M. to Meridian
Clear and pleasant. Hazy. Calm and light S.W. airs. Barometer falling slightly. Last hode. At 9.30 A.M. mustered at quarters. Absentees, J. L. Keyser, Apr 3 cl, and W. H. Duffield, Apr 3 cl. The Commanding Officer assigned the following punishments, J. F. Baker, Apr 3 cl, smoking, Thirty minutes exercise at the Double Quick and not keeping, reduced to a petty officer 3rd class, 5 days solitary confinement on bread and water. By order of the Commanding Officer W. H. Duffield, Apr 3 cl was placed in the cells for five days confinement on bread and water. Commander Frank Cuttis U.S.N. absent on board ship from two (2) days leave of absence. P.C. Smythe U.S. Navy was granted one week's leave of absence.
Held divine service at half deck by Chaplain officiating.

W. H. Gardiner
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant. Calm and light S.W. airs. Barometer falling. Held divine services. Rev. Dr. A. C. Johnson of Norfolk, officiating.

Ralph Earle
Ensign U.S.N.

4 to 8 P.M.
Fair and hazy. Calm. Barometer rising.

W. H. Gardiner
Ensign U.S.N.

8 P.M. to Midnight
Calm, fair and very hazy. Barometer rising.

Ralph Earle
Ensign U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut Commander U.S.N.

LOG of the UNITED STATES *Training Ship, Essex* 3d Rate,

Alongside of dock, Navy Yard, Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	State of the Sea.
A. M.																	
1				*Alongside of dock*	*Calm*	0			*30.39*	*54*	*34*	*33*		*b.cum.*	*ci*	*8*	
2				"	"	0			*30.40*	*54*	*32*	*32*		"	"	*9*	
3				"	"	0			*30.40*	*54*	*31*	*30*		"	"	*9*	
4				"	"	0			*30.40*	*54*	*33*	*33*		"	"	*9*	
5				"	*S.S.E*	1			*30.41*	*51*	*38*	*37*		*b.*	*nmb*	*10*	
6				"	"	1			*30.43*	*50*	*38*	*37*		*b.a*	*S.*	*8*	
7				"	"	1			*30.45*	*52*	*38*	*37*		"	*ci.s.*	*5*	
8				"	"	1			*30.45*	*51*	*39*	*38*		"	*S.cu.*	*6*	
9				"	*S.E*	1			*30.49*	*50*	*39*	*38*		"	"	*4*	
10				"	"	1			*30.49*	*55*	*42*	*42*		"	"	*3*	
11				"	"	1			*30.49*	*58*	*45*	*45*		"	"	*2*	
Noon.				"	"	1			*30.46*	*58*	*46*	*45*		"	"	*1*	

Position at 8 A. M.: Latitude by ° ' "

Longitude by ° ' "

Position at noon: Latitude by observation ° ' "

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, *400* gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, *2400* "

Coal consumed during the preceding 24 hours, *1* tons, *735* lbs.

Coal remaining on hand at noon, *21* " *925* "

P. M.																	
1				*Alongside of dock.*	*S.E*	1			*30.43*	*61*	*48*	*46*		*cu*	*S.*	*0*	
2				"	"	1			*30.43*	*61*	*47*	*46*		*cu.d.*	*St*	*0*	
3				"	*E.S.E*	1			*30.42*	*61*	*46*	*45*		"	"	*0*	
4				"	*East*	1			*30.41*	*61*	*47*	*46*		"	"	*0*	
5				"	*Calm*	1			*30.41*	*59*	*46*	*45*		"	"	*0*	
6				"	"	1			*30.41*	*58*	*46*	*45*		"	"	*0*	
7				"	*SE*	1			*30.37*	*57*	*46*	*45*		"	"	*0*	
8				"	"	1			*30.37*	*57*	*48*	*47*		*b.e.*	*S.cu.*	*6*	
9				"	"	1			*30.33*	*57*	*51*	*50*		*o.c.*	*S.*	*0*	
10				"	"	2			*30.33*	*58*	*52*	*51*		"	"	*0*	
11				"	*SSE*	1			*30.29*	*58*	*54*	*53*		"	"	*0*	
Mid.				"	"	1			*30.26*	*57*	*55*	*54*		*b.c.*	"	*1*	

under the command of Commander Frank Cuttle, U. S. Navy,

Monday, Dec. 19, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Clear and hazy. Cool. Calm. Barometer steady

C. P. Gridley
Ensign U.S.N.

4 to 8 A.M.
Fair and hazy. Light A.T. Calm Barometer rising

C. P. Gridley
Ensign U.S.N.

8 A.M. to Meridian
Generally cloudy and raw. Light A.T. & Var. airs. Barometer fell slightly. At 9.30 muster of all quarters, absentees J. L. Horne Apr. 3d Class and C. A. Sheffield Apr. 3d Class. All divisions exercised at setting up drill and infantry without arms on the deck. By order of Surgeon of Fairgation, transferred to U.S.S. Wilmington, John Davis, Probationer, aboard, sail, at 12.15. Yard work-men on board in D & R on head, water closets, scuppers, hatch coamings, forecastle pump, ladders, gangways in Steam Engineering, on cylinder lagging, feed and blow pipes. Maximum temperature of main room 64.6. Men engaged in moving new brace.

Ralph Earle,
Ensign U.S.N.

Meridian to 4 P.M.
Overcast cloudy and cool. Light airs from S. & to E. & E. At 1.00 hoisted sail. Yard workmen at work as by board in D & R and Steam Engineering Dept. Received from U.S.S. Franklin Philip Anderson, 1 Class with bag and hammock bedding, transfer papers.

C. M. Johns
Lieut. U.S.N.

4 to 8 P.M.
Overcast cloudy and rainy. Calm and light E. by airs. Barometer falling. Yard workmen, as in forenoon watch. Hoisted ship at 5.

Ralph Earle,
Ensign U.S.N.

8 P.M. to Midnight
Overcast and cloudy. Light breeze from S.E.

C. M. Johns
Lieut. U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut. & Navigator.

6-885

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1			Alongside of dock	S.S.E	1				30.24	60	56	55		f.c.	S.cu.	0	
2			"	"	1				30.23	61	57	56		"	"	0	
3			"	S.S.W.	3				30.23	61	59	57		"	"	0	
4			"	"	2				30.23	62	60	59		b.c.	ci.p.	5	
5			"	"	1				30.20	62	61	60		"	A.cu.	4	
6			"	"	1				30.21	64	61	61		"	S.cu.	7	
7			"	"	1				30.22	64	62	61		o.s.cu.	"	0	
8			"	"	1				30.23	66	66	62		o.s.c	"	0	
9			"	"	1				30.24	68	67	65		"	"	0	
10			"	"	1				30.24	68	68	66		"	"	0	
11			"	"	1				30.23	73	68	67		b.c.	S.cu.	0	
Noon.			"	"	1				30.22	73	68	67		"	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, 1 tons, 585 lbs.

Coal remaining on hand at noon, 20 " 340 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																	
1			Alongside of dock	S.S.W.	1				30.19	73	68	67		o.c.	Nimb	0	
2			"	"	1				30.18	74	68	67		"	"	0	
3			"	"	1				30.18	74	68	65		"	"	0	
4			"	"	1				30.18	74	68	68		"	"	0	
5			"	"	1				30.16	74	66	66		o.s.t.r.	"	0	
6			"	"	1				30.16	70	65	65		o.s.r.	"	0	
7			"	S.W.	1				30.13	72	65	65		b.c.	cu.	3	
8			"	"	1				30.17	72	64	64		o.s.r	Nimb	0	
9			"	"	1				30.17	72	64	64		"	"	0	
10			"	"	1				30.17	72	63	63		"	"	0	
11			"	"	1				30.16	72	63	63		"	"	0	
Mid.			"	"	1				30.12	71	62	60		o.s.cu.	"	0	

under the command of Commander Frank Coutts, U. S. Navy,

Tuesday, Dec. 20, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M.
Overcast. Light S.S.E. & aid S'ly airs followed by light to gentle S.S.W. by breeze. Barometer falling.

Ralph R. Earle.
Ensign U.S.N.

4 to 8 A.M.
Overcast most part, with heavy rain and mist last half hour. Light S.W. & W'ly airs. Barometer rising. Received in Pay Dept. from General Store keeper, 180½ lbs pickled beef and vegetables, and 15½ lbs. of fresh bread.

Ralph R. Earle
Ensign U.S.N.

8 A.M. to Meridian
Overcast with frequent light drizzle Light S.S.W. airs. Received the transfer papers of Philip Andrews, S.C. 3cl, transferred yesterday to this ship. The Commander awarded the following punishments: J.H. Martin, Opp 3cl, J. Miller Opp 3cl, P. Letz, Opp. 3cl, and D. Shumrad, App 3cl, all to be called at 5 A.M. for one week for having late hammocks.

C.M. Dahn
Lieut U.S.N.

Meridian to 4 P.M.
Overcast with occasional light drizzles, Light S.S.W. airs. Barometer steady. At 1 P.M. mustered at Quarters, Absentees, J.J. Morris, Opp 3cl, C.H. Suffield, Opp 3cl, At 3 P.M. mustered the several divisions of Apprentices & Infantry without arms on the dock. Said workmen proceeded on board the Department of Construction and Steam Engineering. By order of Bureau of Navigation R.C.H. Kennedy, S.C. 3cl, was transferred with bag and hammock and necessary effects to the U.S.R.S. Yosemite.

W. Franklin
Ensign U.S.N.

4 to 8 P.M.
Overcast and rainy. Occassional thunder and lightning. Light S.S.W. airs. By order of the Commander placed A.J. Nicholson, App 3cl, on 3 days solitary confinement on bread and water for pumping ship.

C.M. Dahn
Lieut U.S.N.

8 P.M. to Midnight
Overcast. Light rain. Light S.S.W. breeze. Barometer falling. At 9.30 found that several boys were absent from the ship without permission.

W. Franklin
Ensign U.S.N.

Examined and found to be correct.

Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex — 3d Rate,

Alongside of dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Hnds.	State of the Sea.
A. M.																	
1			Alongside of dock	S.S.W.	1				30.12	70	62	62		fog.	W.	0	
2			"	"	1				30.12	70	62	62		"	"	0	
3			"	"	1				30.12	70	61	61		hazy	Strat	3	
4			"	"	1				30.11	71	61	61		"	"	4	
5			"	"	1				30.11	65	62	62		"	"	3	
6			"	"	1				30.11	64	62	62		fog.	"	0	
7			"	"	1				30.12	65	62	62		"	"	0	
8			"	"	1				30.12	65	62	62		"	"	0	
9			"	SW	1				30.16	67	62	62		"	"	0	
10			"	"	2				30.18	70	63	63		"	"	0	
11			"	S.W.S.	1				30.17	72	63	63		"	"	0	
Noon.			"	"	2				30.16	72	62	63		"	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 2225 lbs.

Coal remaining on hand at noon, 19 " 355 "

P. M.																	
1			Alongside of dock	S.W.	1				30.15	73	63	63		hazy	nimb	2	
2			"	"	1				30.15	74	64	63		"	"	3	
3			"	"	1				30.17	76	67	65		"	cu.n.	5	
4			"	"	1				30.18	76	67	65		"	"	5	
5			"	"	1				30.19	76	60	60		"	"	6	
6			"	Calm	0				30.21	73	59	59		"	"	7	
7			"	"	0				30.22	72	56	56		hazy	"	7	
8			"	"	0				30.23	72	57	54		"	"	8	
9			"	"	0				30.23	64	48	48		hazy	"	7	
10			"	"	0				30.24	64	48	48		"	"	7	
11			"	"	0				30.24	64	48	48		"	"	7	
Mid.			"	N.E.	1				30.23	64	47	47		"	"	7	

4—265

under the command of Commander Frank Coutts, U. S. Navy,

Wednesday, Dec 21, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.

Overcast to cloudy. Light S.S.W. airs. By order of Commanding Officer placed the following named Apprentices 3d Class in confinement for pumping ship pending investigation. H.G. Squires, A.H. Fortune, W.A. Mack, J.H. Hickman, C. Taylor, H.J. Whittle.

Chas. Dapo
Lieut. U.S.N.

4 to 8 A.M.

Cloudy to overcast. Light S.S.W. airs. Surged the lines and hauled mooring chains, spun chain, and gangway before preparatory to shifting our berth. Shifting further up the dock at end of watch.

Chas. Dapo
Lieut. U.S.N.

8 A.M. to Meridian

Overcast. Pleasant. Light airs and breezes, from S.W. and W.S.W. Barometer fluctuating. At 10 mustered at quarters for Inspection; J.L. Morris, Appr 3 cl, and C.A. Suffield Appr 3cl. The Commanding Officer awarded the following punishments; Squires H.G. Appr 3cl, clothes in lucky bag, & be extra watch on quarter deck for one week; Brown J.P. Appr 3cl, clothes in lucky bag, & square extra watch on quarter deck for one week; Howard F. Appr 3cl, deprived with a petty officer, 8 hrs. on square rigger for one week; and Squires H.J., Fortune W.H., Allan P.H., Taylor C., & Whittle H.J. Hickman J.H. Apprentices 3 class, 10 days double mess for leaving ship without permission. Idled workmen on board on various departments. Sent C.P. Lacey A.B. to navy reported for duty on Gunboat Wheeling. Landed 4 cutter on dock to be repaired. Chas. Hayley Boatmaker, reported on board from U.S.S. Wabash.

W. Hutchin
Ensign U.S.N.

Meridian to 4 P.M.

Overcast with rain fall, at 2 PM followed by clearing weather remainder. Light S.W. by airs. Barometer rising. At 1.45 hoisted sail. Lieutenant & Duty wde transferred to U.S. Naval Hospital, Portsmouth, Va. for treatment. Commanding Officer awarded following punishments; - Mattley T. Hickey Appr 3cl, Thomas C. Appr 3cl, Hagerty J. Appr 3cl, Andersen A.L. Appr 3cl, Scott H. Clark 3cl, Freeman L.R. Appr 3 cl, Fitch H.L. Apprs cl, and Hutchinson A.P. Apprs cl, have reduced to 4th Class for Misconduct & leaving their quarters. Idled workmen as in previous watch came on board at Navy Yard U.S.S. Cassard came in and moored at dock at 12:30.

Ralph D. Earle,
Ensign U.S.N.

4 to 8 P.M.

Fair and calm. Barometer rising. At 5 hoisted sail on board as in previous watch. Left ship at 5.

Idled workmen

W. Hutchin
Ensign U.S.N.

8 P.M. to Midnight

Cloudy and rain with thick fog. Calms and light S.E. by airs. Barometer steady.

Ralph D. Earle,
Ensign U.S.N.

E. Ellwyn Lt U.S.N. Navigator.

Examined and found correct

4-98

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Alongside of dock Navy Yard Norfolk Va

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Alongside of dock	Calm	0			30.23	67	47	47		b.c.f.	w.p.	5	
1				"	"	0			30.23	67	50	50		"	"	5	
2				"	N.E.	2			30.24	67	51	50		c.c.f.	"	0	
3				"	"	1			30.22	67	50	50		"	"	0	
4				"	"	1			30.21	67	50	50		o.f.d.	"	0	
5				"	"	1			30.21	67	50	50		"	"	0	
6				"	"	1			30.21	67	50	50		"	"	0	
7				"	"	1			30.21	63	51	51		o.f.	"	0	
8				"	S.S.E.	1			30.23	61	52	52		o.c.d.f.	"	0	
9				"	East	1			30.23	61	51	51		"	"	0	
10				"	"	1			30.20	66	51	51		"	"	0	
11				"	"	1			30.18	66	55	55		"	"	0	
Noon.				"	"	1			30.16	65	56	56		"	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 750 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 1550 lbs.

Coal remaining on hand at noon, 18 " 1045 "

P. M.																	
1				Alongside of dock	South	1			30.12	68	58	58		o.f.	s.	0	
2				"	S. by W.	1			30.09	70	61	61		o.c.f.	"	0	
3				"	"	1			30.08	70	61	61		"	s.c.c.	0	
4				"	South	1			30.07	71	62	62		"	"	0	
5				"	S.S.W.	1			30.05	72	63	63		"	"	0	
6				"	"	1			30.04	73	65	64		"	"	0	
7				"	"	1			30.04	74	66	66		"	"	0	
8				"	"	1			30.04	72	67	67		"	"	0	
9				"	"	1			30.02	72	63	63		h.c.	"	1	
10				"	"	1			30.02	72	63	63		c.c.	"	0	
11				"	"	2			30.00	71	60	63		o.c.d.	n.	0	
Mid.				"	"	2			30.00	69	63	63		h.c.	c.s.c.	4	

4—265

under the command of Commander Frank Cowles, U. S. Navy,

Thursday, Dec 22, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy and overcast. Fog during entire watch. Calm followed by light breeze from N.E. Barometer steady.

E. F. Lyon
Lieut U.S.N.

4 to 8 A.M.
Overcast and foggy. Light drizzly first two hours. Light N. E. airs. Barometer steady. Received on Pay Dept. 190 lbs of fresh beef and vegetables

W. Turnbull
Ensign U.S.N.

8 A.M. to Meridian
Overcast, drizzling rain, and foggy. Light E'ly airs. Barometer falling. At 9:30 mustered at quarters, absentees: - J. L. Bonn, Opr 3cl, C.K. Sibfield, Opr 3cl,. 1st and 2d. divisions drilled at great guns, 3d and 4th. at pulling up. Commanding Officer awarded following punishments:- Duncan J. Ayer, coal trimmer on deck, 4th class; Mc. Barrick Thos. J. Oiler 4cl, performing from liberty drunk and unable to do duty, 2nd class; Jas. Hall, Lamp. & general neglect of his duties, 2nd class; Cookery J. Lee, having soap, clothing in his possession, 4th class; Duncan A. Lee, attempting to leave ship without leave, overcoat, 4th class. By order of Comdg Officer confined T. Gallagher, Mch., to await further action, he having been drunk and unfit for duty. Lieutenant J. D. Ewing, reported for duty from the U.S.S. Massachusetts. Yard workmen on board from 8 to 12 m. C.K. Cook hatch, coppering, inj. steam cig. or feed pipe, and bracing in Engineers, or call bell cabinet. Received on Pay Dept. from Gen. Storekeeper, 55 lbs. of fresh bread. Magnetic temperature of ship adjusted 6.3 6. Found 4. Wood, absent from the ship, without authority

Ralph Earle,
Ensign U.S.N.

Meridian to 4 P.M.
Overcast, fog in first part of watch. Light airs from S. and S. by W. Barometer falling. At 1.30 P.M. secured 1st and second divisions at great guns. Transferred to U.S.S. Dolphin, Chas. C. Mitchell, Cook, transferred to U.S.S. Dolphin, Wm. Edwards, Opr 2cl, to U.S.S. Nashville. H. N. Clark, Sub-asst., was given an acting appointment as Carpenter's Mate 3d cl. dated from Norfolk 24 Nov. 1898. Received on Navigation Dept. from Navy Yard 18 fathoms Hay (yellow) 1 pennant for steam launch. Ensign Turpin, U.S.N. reported going on board of absence for two days from Dec 23. Received on board for use in boilers 5250 gals fresh water from water boat Mohawk. U.S.S. Nashville came out of dry dock at 3 P.M. and moved alongside water barge no. 2

E. F. Lyon
Lieut U.S.N.

4 to 8 P.M.
Overcast and cloudy. Light S.S.W'ly airs. Barometer fell slightly. Yard workmen as per pass which left the ship at 5 p.m. At 4 p.m. found H. Wood, Blksy, absent from the ship, and by order of the Comdg Officer placed him under arrest for safe keeping.

Ralph Earle,
Ensign U.S.N.

Examined and found correct.
E. E. Wright
Navigator.

Overcast and cloudy. Clearing weather. Light drizzle rain in third hour. Light airs and light breeze from S.S.W. Barometer falling

E. F. Lyon
Lieut U.S.N.
E. E. Wright
Navigator.

4-98

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Alongside of dock Navy Yard Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Alongside of dock	S.S.W.	1			29.99	69	62	62		b c	ci cu	6	
2				"	"	1			29.99	69	62	62		"	"	4	
3				"	"	1			29.99	69	62	61		"	"	4	
4				"	S.W.	1			29.99	69	64	63		"	ci	3	
5				"	"	1			30.00	70	62	61		"	a cu	3	
6				"	"	1			30.00	70	62	61		"	"	2	
7				"	"	1			30.00	68	62	61		"	ci s	7	
8				"	"	1			30.00	68	63	62		"	cu	7	
9				"	W.S.W.	1			30.14	65	58	57		"	"	7	
10				"	S.S.E.	1			30.19	64	54	53		"	ci cu	4	
11				"	"	1			30.20	64	52	49		"	"	4	
Noon.				"	"	1			30.21	64	52	48		"	"	4	

Position at 8 A. M.: Latitude by ° ' "

Longitude by ° ' "

Position at noon: Latitude by observation ° ' "

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 700 "

Coal consumed during the preceding 24 hours, 1 tons, 135 lbs.

Coal remaining on hand at noon, 17 " 910 "

P. M.																	
1				Alongside of dock	S.S.E.	2			30.23	64	51	48		b c	ci cu	4	
2				"	"	2			30.25	64	49	46		"	"	2	
3				"	"	2			30.25	64	49	46		"	"	4	
4				"	"	2			30.26	62	47	46		"	"	4	
5				"	S.E.	1			30.30	62	47	45		"	"	4	
6				"	S.E. by E.	0			30.33	62	46	44		"	a cu	2	
7				"	"	0			30.36	62	45	44		o c	"	0	
8				"	"	0			30.38	62	45	44		b c u	"	1	
9				"	"	0			30.40	62	45	44		"	"	1	
10				"	"	0			30.42	61	44	43		"	"	2	
11				"	"	0			30.44	60	42	41		"	"	4	
Mid.				"	"	0			30.43	60	41	41		"	"	6	

4—265

under the command of Commander Frank Coates, U. S. Navy,

Friday, Dec 23, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Fair and pleasant Light airs from S.S.W.

T. F. Drury
Lieut U.S.N.

4 to 8 A.M.
Cloudy first part, fair and pleasant last part. Light S.W. airs. Barometer rising. At 6.30 loosed sail to dry.

Ralph Earle,
Ensign U.S.N.

8 A.M. to Meridian
Partly clear. Cool. Light airs from S.W. & W. shifting by 8 to the S. & E. Barometer rising. At 9 A.M. mustered all hands. At 9.30 mustered crew at quarters, absentees without leave, F. L. Morris, Appr 3cl.; C. A. Suffield, Appr 3cl.; D. D. Leighton, 1st Steward; J. Coyne, Appr 3cl.; D. W. Fortune, Appr 3cl. Exercised absentees at small arms and at sail drill. At 10.40 loosed sail to dry. At 11.50 exercised apprentices at making and taking in sail, and at small arms. Navy Yard workmen engaged on board on Steam Engineering Construction, and Equipment. By order of the Commanding Officer placed P. Gallagher, 1st cl. pr. Pantry Complement - one head and water for five days for being drunk and unfit for duty on board ship. J. Hosey, Blacker, for leaving the ship without permission, was confined in double irons to await trial by Summary Court Martial. A. Bennett, Appr 3cl., was released from confinement.

E. F. Leiper
Lieut U.S.N.

Meridian to 4 P.M.
Cloudy but pleasant. Light breeze from S.W. to S. At 1.30 the U.S.S. Hercules arrived at the Yard. The U.S.S. Cape shifted berth at 2.00. Yard workmen from Equipment & Construction and Steam Engineering Depts. on board. Received from the U.S.S. Fremont with bag and hammock, Frank Springstead, Ldr., Brought on board and pointed the [illegible] pr bowse. Tested flood cocks.

T. F. Drury
Lieut U.S.N.

4 to 8 P.M.
Cloudy and overcast. Light airs from E. & S.E. followed by calms. Barometer rising. At 4 furled and unbent sail. By order of the Commanding Officer A. A. Nicholas, Appr 3cl. was released from confinement and restored to duty. A. J. Nicholas, Appr 3cl. was placed in double irons for safe keeping during the night by order of the Commanding Officer.

E. F. Leiper
Lieut U.S.N.

8 P.M. to Midnight
Cloudy and cool. Calms. Barometer rising slowly.

T. F. Drury
Lieut U.S.N.

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

4-985

LOG of the UNITED STATES Training Ship Cass. 3rd. Rate,

Along side of dock at Navy Yard. Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Along side of dock.	Calm.	0			30.42	60	43	42		o. c.	a cu.	0	
2				"	"	0			30.42	60	43	43		b. c.	ci cu.	2	
3				"	"	0			30.42	62	42	42		"	"	3	
4				"	"	0			30.42	62	41	41		"	ci. s.	3	
5				"	"	0			30.43	60	42	42		"	b.	8	
6				"	"	0			30.43	61	43	42		s. e.	a. s.	0	
7				"	N. E.	1			30.44	60	43	42		"	"	0	
8				"	"	1			30.44	60	43	42		"	"	0	
9				"	"	1			30.46	58	45	44		"	s.	0	
10				"	"	1			30.47	58	48	46		"	"	0	
11				"	East.	1			30.46	61	50	47		"	a cu.	0	
Noon.				"	"	1			30.42	62	50	46		"	a cu.	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1600 "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, 1 tons, 1985 lbs.

Coal remaining on hand at noon, 15 " 1215 "

P. M.																	
1				Along side of dock.	East.	1			30.42	64	50	47		s. e.	a cu.	0	
2				"	"	1			30.41	64	51	48		"	"	0	
3				"	C. by S. C.	1			30.41	64	50	47		"	"	0	
4				"	"	1			30.40	64	50	47		"	"	0	
5				"	"	1			30.40	64	50	47		"	"	0	
6				"	Calm.	0			30.42	64	47	46		"	"	0	
7				"	"	0			30.42	61	45	45		"	"	0	
8				"	"	0			30.44	61	45	45		"	"	0	
9				"	"	0			30.44	61	44	43		"	"	0	
10				"	"	0			30.45	60	44	43		"	"	0	
11				"	"	0			30.45	60	41	41		"	"	0	
Mid.				"	"	0			30.45	60	40	40		"	"	0	

under the command of Commander Frank Coutts, U. S. Navy,

Saturday, Dec 24, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M.
Cloudy, cool, and calm.

C. M. Fahs
Lieut. U. S. N.

4 to 8 A.M.
Cloudy and overcast. Calm followed by light airs from E. Barometer 29.9 in. Received on Pay Dept. for crew 1963 lbs. fresh beef and 197 lbs. vegetables. At 8 hands piped to breakfast. Employed on ship's work and cleaning ship.

E. F. Lee
Lieut. U. S. N.

8 A.M. to Meridian.
Overcast, light airs from N. E. & Calm. Barometer falling slowly. Released J. Moorley, Boilermaker and placed him in solitary confinement on bread and water for 5 days for being drunk on board ship. At 9.30 A.M. went to quarters for inspection, absentees, J. J. Morris App. 3rd class and D. F. Suffield App. 3rd class. At 10.30 A.M. the U. S. S. Wilmington hauled out from coal dock and steamed out of the yard. At 10.45 A.M. Navy Yard tug came alongside and moved us to berth occupied by the Wilmington. Yard painters painting ship and boats. During watch men from Steam Engineering Department of yard working in Engrs. Room.

F. F. Lowry
Lieut. U. S. N.

Meridian to 4 P.M.
Overcast, cloudy and pleasant. Light airs from East to E. S. E. Yard workmen at work in Engineers Department, at hatchways and painting the spars and the hull outside. The two Gunboats Sandoval and Alvarado captured from the Spaniards came to the yard from the Miramar & Chesapeake Canal. Maximum temperature of Forward Magazine 62 & Aft 63.

M. Fahs
Lieut. U. S. N.

4 to 8 P.M.
Overcast, light airs from E. S. E. & calm. At about 6 o'clock a man was seen to jump the ship and on searching the ship found D. Bourke, Blacksmith absent without leave. Received from Store crew 1934 lbs of beef and vegetables and 255 lbs of bread.

F. F. Lowry
Lieut. U. S. N.

8 P.M. to Midnight
Cloudy, cool and calm. By order of Commanding Officer placed D. Bourke, Blacksmith in double irons upon his return on board pending investigation for having jumped ship. P. A. Surgeon J. F. Foye returned from leave of absence.

C. M. Fahs
Lieut. U. S. N.

Examined and found to be correct.

E. E. Wright
Lt & Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex 3rd. Rate,

Along side of dock at Navy Yard Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in tenths.	State of the Sea.
A. M.																
1				Along side of dock.	Calm.	0			30.45	59	39	39	o.c.m.	c.cu	0	
2				"	"	0			30.45	59	39	39	b.c.	"	3	
3				"	"	0			30.45	59	39	39	c.c.	"	0	
4				"	"	0			30.45	59	39	39	"	"	0	
5				"	"	0			30.44	57	39	39	"	c.s	0	
6				"	"	0			30.44	60	40	39	"	"	0	
7				"	"	0			30.45	60	40	39	"	s.cu	0	
8				"	"	0			30.45	60	41	40	"	"	0	
9				"	N.E.	1			30.46	60	41	41	"	"	0	
10				"	"	1			30.46	60	41	41	"	"	0	
11				"	"	1			30.46	59	42	42	"	"	0	
Noon.				"	"	1			30.45	58	40	40	"	"	0	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 150 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons. 1410 lbs.

Coal remaining on hand at noon, 13 " 2045 "

P. M.																
1				Alongside of dock.	N.C.	1			30.43	56	45	44	s.e.	c.cu.	0	
2				"	C.N.C.	1			30.41	58	46	45	"	"	0	
3				"	"	1			30.40	56	46	45	"	"	0	
4				"	N.N.E.	1			30.39	56	45	44	"	"	0	
5				"	"	1			30.39	54	43	43	"	"	0	
6				"	Calm	0			30.40	54	43	43	"	"	0	
7				"	"	0			30.41	54	43	43	"	"	0	
8				"	North	1			30.39	56	43	43	"	a.s	0	
9				"	"	1			30.40	54	43	42	"	s	0	
10				"	"	1			30.38	56	43	42	"	a.s.	0	
11				"	"	1			30.39	56	42	41	"	"	0	
Mid.				"	"	1			30.39	55	42	41	"	"	0	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday December 25th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Generally cloudy, cool, and calm. Barometer steady.

Roscoe Eaton,
Ensign U. S. N.

4 to 8 AM.
Overcast & cool. Calm. At 7.30 AM P. Van Hall, Ides. and F. H. Scott, Ides. were reported missing. Maximum temperature of Magazines, forward 62, aft 62.

J. Fife
Lieut. U. S. N.

8 AM to Midian.
Overcast, raw & chilly. Light N. E. airs. At 9.30 AM inspected at quarters. Absent without leave, J. E. Monroe, App. 3rd class, O. H. Suffield, App. 3rd class, F. H. Scott, Ides. & P. Van Hall, Ides. By order of the Commander the following punishment was awarded. P. H. Roach, App. 3rd class, for profane and vulgar language at mess table: two days look out on Mizzen cross trees. At 10.15 Chaplain Parks of the vessel held Divine Services on board.

Chas Parks
Lieut U. S. N.

Midian to 4 P.M.
Overcast & cloudy. Raw & light airs from N. E. & E. N. E. Barometer falling. At 3 PM the Chaplain held Divine Services on board ship.

Chas Parks
Ensign U. S. N.

4 to 8 P.M.
Overcast & damp. Light airs from N. N. E. & North and calm. Barometer falling slowly. Placed A. S. Nicholson, App. 3rd class, in double irons for the night for safe keeping by order of the Commanding Officer.

Chas Parks
Lieut U. S. N.

8 AM to Midnight
Overcast, cloudy, & cool. Light airs from North. Barometer about steady.

Chas Parks
Ensign U. S. N.

Examined and found to be correct.

E. D. Wright
Lieut & Navigator.

4-955

LOG of the UNITED STATES Training Ship Cumberland 3rd Rate,

Alongside of dock at Navy Yard Norfolk. Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																
1	Alongside of dock			North.	2				30.38	54	40	40	o.c.	a.s.	0	
2	"			"	1				30.38	54	40	39	"	"	0	
3	"			"	1				30.38	54	40	39	b.c.	ci.s.	5	
4	"			"	1				30.37	53	38	38	"	"	6	
5	"			"	1				30.35	50	36	35	"	s	7	
6	"			"	1				30.35	52	37	36	"	"	7	
7	"			"	1				30.41	51	36	35	"	"	6	
8	"			"	1				30.44	51	37	36	"	"	8	
9	"			"	1				30.44	52	42	41	"	"	1	
10	"			N.E.	1				30.54	52	45	43	"	"	1	
11	"			North.	1				30.54	51	47	45	"	ci.s	6	
Noon.	"			"	1				30.53	49	47	45	"	"	6	

Position at 8 A. M.: Latitude by ° ′ ″ ; Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″ ; Longitude by observation ° ′ ″ ; Latitude by D. R. ° ′ ″ ; Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ ; Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, tons, 2000 lbs.

Coal remaining on hand at noon, 13 " 45 "

P. M.																
1	Alongside of dock.			North.	2				30.49	49	45	45	b.c.	a.s.	7	
2	"			"	2				30.48	49	45	45	"	"	7	
3	"			N.N.	2				30.48	49	45	45	"	"	7	
4	"			"	2				30.48	49	44	43	"	"	3	
5	"			"	2				30.50	49	41	39	"	scu.	4	
6	"			"	1				30.51	47	40	38	"	"	3	
7	"			N.N.W.	1				30.53	49	38	36	b.	nmr.	10	
8	"			Calm.	0				30.53	48	36	35	"	"	10	
9	"			"	0				30.52	48	34	33	"	"	10	
10	"			"	0				30.52	48	32	32	"	"	10	
11	"			"	0				30.52	48	32	32	"	"	10	
Mid.	"			"	0				30.52	48	32	32	"	"	10	

under the command of Commander Frank Courtis, U. S. Navy,

Monday December 26th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast first, fair last part. Cool, light Northerly breeze to aire. Barometer fell slightly. At 1.00 AM, J. H. Hickman, App 3rd class, and C. Taylor, App 3rd class, were found to be absent from the ship, having escaped from confinement. Bright moonlight.

Ralph Earle,
Ensign U. S. N.

* 4 to 8 A.M.

Fair and cold. Light aire from North. The Aneroid Barometer was accidentally knocked off its hook while was not secure, by Lieut Jahs. The barometer was damaged by the fall. C. M. Jahs.
Lieut. U. S. N.

8 AM to Meridian.

Fair and cool. Light aire from N. E. and North. Barometer steady. At 9.50 A.M. mustered at quarters. Absentees, J. S. Morris App 3rd class, K. H. Suffield App 3rd class, J. H. Hickman App 3rd class, C. Taylor App 3rd class, F. H. Scott Fireman, & P. Van Hall Fireman were absent with out leave. J. J. Quinlan Fir. 1st class, J. J. Malony & P. J. Fitzgerald Coal Trim. A. Erlwin Fireman Bigham J. F. Coal Trim, F. McCarty Fireman, and P. Williams (mate) were absent over leave. By order of the Commanding Officer, H. Rourke Blacksmith was released from confinment and restored to duty. Made preparations for coaling ships.

Ralph Earle
Ensign U. S. N.

Meridian to 4 P.M.

Fair and pleasant. Light Northerly, and Westerly breeze. Barometer fell slightly. At 1.30 P.M fire was discovered in fore peak amongst cotton waste. It was extinguished quickly with no damage.

Ralph Earle,
Ensign U. S. N.

4 to 8 P.M.

Fair to clear. Cool light Northerly aire and calm. Barometer rising. J. J. Long A.M 2nd class was discovered to be absent from the ships without permission about 5 o'clock. By order of the Commanding Officer, J. J. Quinlan Fir. 1st class returned on board drunk - was placed in double irons to await investigation. At 5 P.M A. S. Nickolson App 3rd class was placed in double irons, for safe keeping by the same authority.

Ralph Earle
Ensign U. S. N.

8 P.M to Midnight.

Clear, cold and calm. Barometer steady. Bright moon light. J. Fitzgerald, Coal Trim, returned from leave 15½ hours overtime.

Ralph Earle,
Ensign.

Examined and found to be correct.

E. E. Wright
Lieut & Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Along side of Dock, at Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in tenths.	States of the Sea.
A. M.																
1				Alongside of Dock	W.S.W.	1			30.45	44	34	31		b	pnw	10
2				do	S.W.	1			30.44	44	31	30		b.c	C.A	7
3				do	W.S.W.	1			30.43	44	31	30		"	"	6
4				do	S.W.	1			30.40	43	31	31		"	"	6
5				do	do	1			30.38	45	31	31		"	"	7
6				do	do	1			30.36	45	31	31		"	"	5
7				do	S.S.W.	1			30.37	46	34	34		"	C.A	3
8				do	do	2			30.37	46	35	34		"	"	6
9				do	S.W.	3			30.37	43	40	37		"	C.Cu	8
10				do	do	2			30.36	46	42	40		"	"	6
11				do	do	3			30.35	48	41	42		"	"	3
Noon.				do	do	2			30.30	57	50	44		"	"	7

Position at 8 A. M.: Latitude by ° ' "

Longitude by ° ' "

Position at noon: Latitude by observation ° ' "

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 1775 lbs.

Coal remaining on hand at noon, 12 " 510 "

P. M.		Alongside of Dock		S.W.	1			30.27	54	50	46		C.c	C.Cu	7	
1		"		"	3			30.27	54	50	46		"	"	7	
2		"		S.S.W.	3			30.27	54	50	47		"	"	7	
3		"		"	2			30.25	55	49	45		"	"	2	
4		"		"	2			30.23	56	47	44		"	"	3	
5		"		"	1			30.22	55	46	43		"	"	6	
6		"		"	3			30.20	55	45	43		"	"	8	
7		"		"	2			30.19	54	44	44		"	"	8	
8		"		"	2.5			30.18	53	40	42		"	"	8	
9		"		"	3			30.18	53	45	40		"	"	8	
10		"		"	1.5			30.17	53	45	43		"	"	9	
11		"		"	1.5			30.17	53	45	43		"	"	9	
Mid.		"		"	3			30.17	52	45	43		"	"		

under the command of Commander Frank Wurtz, U. S. Navy,

Tuesday, December 27th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 a.m.
Clear at beginning of watch, and gradually becoming cloudy.
Light and variable airs. Barometer falling. Heavy frost.

E. F. Leaper,
Lieutenant, U.S.N.

4 to 8 a.m.
Fair and cool. Light airs and breezes from S.W. to S.S.W.
Barometer steady. At 7, P.J. Berg, (B.M.2d), was brought on board by an orderly from the main gate where he had been confined to sober up. By order of the Commanding Officer, he was placed in double irons for safe keeping and to await investigation. Nicholson, Appr'd. was released at 5 o'clock.

Wm. Thurber
Ensign, U.S.N.

8 a.m. to meridian. [illegible] loading ship in baskets, rigging jib-boom [illegible] tables, 155 lb. fuel load [illegible] ding tubes, 30 ground tubes, [illegible] T. Soule, R.M., returned [illegible] Coleman, C.M.1st [illegible] ester, Ch. Stu. and A.B. Haines, ship.

Ralph Earle,
Ensign, U.S.N.

December 27, 1898

Stores received on board in Equipment Dept. 4-8 p.m., watch. [illegible] S.W. Barometer falling. [illegible] K. Coleman, C.M.1st, was [illegible] board ship. Equipment [illegible] ng Dept.

2 flying jib sheet pendants
1 " " centipede
2 " " footropes
2 jib "
1 " centipede
1 Bow painter, steam cutter
1 stern "
1 Flying jib down haul
1 " halliard
2 fore Braces
2 " topsail braces
2 main braces
2 " topsail braces

[illegible] Leaper,
[illegible] Lieutenant U.S.N.
to gentle S.W. breezes, [illegible] 167 tons. Said workmen left by order of Bun of Nav. for keeping. Rec'd on board 30, a total reliefs of the [illegible]

Ralph Earle,
Ensign, U.S.N.

[illegible] pursuant to observed. Light [illegible] ned on board. Sub-Lts. over [illegible] xpiration of leave

Ralph Earle,
Ensign, U.S.N.

[illegible] expiration of leave, and [illegible]

E. F. Leaper,
Lieutenant, U.S.N.

Examined and found to be correct.

E. B. Wright
Navigator.

under the command of Commander Frank Wildes, U. S. Navy,

Tuesday, December 7th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 a.m.
Clear at beginning of watch, and gradually becoming cloudy.
Light and variable airs. Barometer falling. Heavy frost.

E. F. Leaper,
Lieutenant, U.S.N.

4 to 8 a.m.
Fair and cool. Light airs and breezes from S.W. to S.S.W.
Barometer steady. Pte 7, P.J. Berg, (B.M.2d), was brought on board by an orderly from the main gate where he had been confined to sober up. By order of the Commanding Officer, he was placed in double irons for safe keeping and to await investigation. Nicholson, App'd, was released at 5 o'clock.

Arthur Dew
Ensign, U.S.N.

8 a.m. to meridian.
Fair and cool. Light to gentle S.W. by breezes, barometer falling. Coaling ship in baskets, through gun deck ports, taking in during watch, 56 tons. Crew also rigging jib-boom. Rec'd in Pay Dept. from General Store Keeper, 1902 lbs. fresh beef and vegetables, 155 lbs. fresh bread. Rec'd in Equipment (Navigation) from General Store Keeper, 50 sounding tubes, 30 pound tubes, 25 Fowler & Bear tubes, 1 blade for running light, 2 tube cleaners. T. Joseph, L.S.L. returned from liberty, 4 hrs. overtime. The following returned from leave: C.K. Coleman, C.M. 1st; M. Anderson, B.M. 2d; C.K. Complete, App'd; R. Jones, Gro. 1st; C. Wheeler, Ch. Gro. and N.B. Haines, ch. gro. Yard workmen on board on St. Eng. and in Con. & Repair, painting ship.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 p.m. Cloudy and cool. Light to gentle breezes, from S.W. to S.S.W. Barometer falling. Coaling ship. Rec'd during watch, 45 tons. By order of the Commanding Officer, C.K. Coleman, C.M. 1st, was placed in double irons to await investigation for being drunk and unfit for duty on board ship. Rigging out new jib-boom. Navy Yard Workmen engaged in Construction and St. Engineering Depts.

E. F. Leaper,
Lieutenant, U.S.N.

4 to 8 p.m. Cloudy and cool, first half. Fair and pleasant, last half. Light to gentle S.W. by breezes. Barometer falling. Stopped coaling at 4:45, having taken on board during day, 167 tons. Yard workmen left the ship at 5. P.P. Hutchinson, App'd, left the ship on 3 days leave of absence, by order of Com'dr. By order of Comm'dg. Officer at 7:30 confined Ord. Nicholson, App'd, for safe keeping. Rec'd on board in Equip. Dept. from General Store Keeper, the following (see list). At 6:30, a total eclipse of the moon occurred, moon passing out of the penumbra at 8.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight. Cloudy. Moon partly obscured by clouds, so that end of eclipse was not observed. Light to gentle breezes, from S. to S.W., barometer falling. F.M. Cassidy, Pvt. returned on board, 4 hrs. over expiration of leave, and S.M. Neeley, Bk. C. 4th, returned 4 hrs. after expiration of leave.

E. F. Leaper,
Lieutenant, U.S.N.

Examined and found to be correct.

E.B. Wright
Navigator.

6—205

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Along side of dock at Navy Yard. Norfolk. Va

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1			Along side of dock	W. by S.	1				30.16	56	45	40		b.c	Cu	8	
2			do	"	2-3				30.16	57	44	42		"	"	7	
3			"	"	2-3				30.19	55	44	42		"	"	5	
4			"	"	2-3				30.21	55	44	42		"	Ci Cu	7	
5			"	"	2				30.23	53	42	40		"	Cu	2	
6			"	S. by W.	2-4				30.26	52	41	39		"	"	2	
7		1	"	"	2				30.32	46	38	35		"	"	3	
8			"	"	2				30.34	43	36	34		"	"	6	
9			"	"	2				30.40	42	40	37		"	"	6	
10			"	"	2				30.45	43	42	39		"	"	8	
11			"	"	2				30.45	46	45	43		"	"	8	
Noon.			"	"	2				30.45	49	41	38		"	"	9	
			"														

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 1775 lbs.

Coal remaining on hand at noon, 11 " 975 "

P. M.			Alongside of dock	N.W.	2				30.44	48	40	37		b.	Nim	10	
1			"	"	2				30.45	48	40	39		b.c	Ci. s.	9	
2			"	N.N.E.	1				30.51	49	43	42		"	s	9	
3			"	N.E.	2				30.53	50	46	39		"	"	9	
4			"	Calm	0				30.53	49	42	35		"	"	9	
5			"	"	0				30.53	49	39	33		"	"	9	
6			"	"	0				30.54	48	35	fr		"	"	9	
7			"	"	0				30.54	48	33	"		"	"	9	
8			"	"	0				30.56	48	33	"		"	"	9	
9			"	S.S.E.	1				30.57	50	31	"		"	Ci. s	5	
10			"	Calm	0				30.58	51	31	"		"	Ci	8	
11			"	"	0				30.58	51	30	"		"	"	7	
Mid.			"	South	1				30.56	47	31	"		"	"	7	

4—255

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, December 28, 18, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 a.m.
Clear to fair and cold. Light breezes from W by S. O. Delwin and J.S. Bingham returned on board from leave over leave.

J. T. Dorsey
Lieut. U.S.N.

4 to 8 a.m.
Fair to clear, cool. Light to moderate breeze from W by S and S by W. Barometer rising.
Began coaling at 7.

Ensign. U.S.N.

8 am to meridian.
Clear and cool. Light breeze from S by W. Barometer steady in latter part. Coaling ship. Mowing off new bower and topsail braces. Navy Yard Workmen engaged in Construction and Steam Engineering. By order of the Commanding Officer the following punishments were awarded: J. J. Dunlap, first class ... leave, 2 cl. J. O'Fitzgerald, ... Carthy, Ldg. 4th Class ... over leave, Hel. E.W. Wesley, ... ice, for 1st J. J. Dunlap for 1st ... insert during shifting stops.

F. Leeper.
Lieut. U.S.N.

Received in Pay Dept. Clothing & Small Stores

100	Whisk Brooms	200	Woolen sock
100	Scrub Brushes	150	Trousers, blue
100	Cloth Caps	200	Undershirts, heavy
10	P.O. "	200	" light
400	Watch "	300	Jumpers, overall
200	Drawers Heavy	300	Trousers "
200	" light	12 dz.	Buttons, rub. large
400	White Hats	12 "	" wory, small
150	Jumpers, white	22 1/4 yd.	Cloth, caps, coat
200	Neckerchiefs	100	Mattress Covers
150	Overshirts	836 yd.	Flannel, Heavy
200	Cayskin shoe, low	100 ppr.	Needles
		50	rating Badges, blue
		144 sp.	" white
		500 pc.	Tape, linen

... & R and St Engineering
... 6½ hrs Crew at work
... ves. J. T. Dorsey
Lieut. U.S.N.

Commanding Officer
during the night.
Parley, B.M. 2 cl
F. Leeper.
Lieut. U.S.N.

8 p.m. to mid night.
Clear and cold. Calm.

J. T. Dorsey
Lieut. U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut. & Navigator.

4-869

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, December 28, 18, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 a.m.
Clear to fair and cold. Right breeze from W by S. D. Selwin and J.S. Bingham returned on board 4 hrs over leave.

J. F. Dewey
Lieut. U.S.N.

4 to 8 p.m.
Fair to clear, cool. Right to moderate breeze from W by S and S by W Barometer rising.
Began coaling at 7.

J. Hurlburt
Ensign U.S.N.

8 a.m. to meridian.
Clear and cool. Right breeze from S by W. Barometer steady in latter part. Coaling ship. Rowing off new boom and topsail braces. Navy Yard Workmen engaged in Construction and Steam Engineering. By order of the Commanding Officer the following punishments were awarded: J. J. Dunlap, first C returning from liberty drunk, third Class. F. Hendrickson, ord. 2 hrs over leave, 2 cl. J. Fitzgerald, ord. 15 hrs over leave, 3 cl. J. Dosser, 4 hrs over leave 2nd class. F. McCarthy, Rdc. 4 hrs over time 4 cl. J. Bigham Ord. 4 hrs over leave 4 cl. D. Selwin, ord. 4 hrs. over leave 4 cl. E.W. Wesley, St. Cd 4 cl. 35 hrs over leave 4 cl. Released from confinement, P. Gallagher, fire 1 C J. J. Dunlap fire 1 C. A. Coleman C.M. 1 C. Unrigging jibboom found it to be 1 ft too short necessitating shifting stays further out on bowsprit.

E. F. Leeper.
Lieut. U.S.N.

Meridian to 4 p.m.
Clear and cool. Light breeze from N.W. hauling to N.N.E. Yard Workmen in C & R and St. Engineering working on board during watch. Finished Coaling at 215 having taken in 150 1/2 tons. Crew at work reeving braces and fitting jibboom. Received the following Paymasters Stores.

J. F. Dewey
Lieut. U.S.N.

4 to 8 p.m.
Clear and cool. Calm. Broom for rising. At 530 p.m. by order of the Commanding Officer A.S. Nicholson, Appr 3 cl. was placed in double irons for safe keeping during the night. Rec'd from U.S.S. Montgomery with bag, hammock and papers. W.J. Farley, C.M. 2 C.

E. F. Leeper.
Lieut. U.S.N.

8 p.m. to mid night.
Clear and cold. Calm.

J. F. Dewey
Lieut. U.S.N.

Examined and found to be correct.

E. E. Wright
Lieut. Washington

LOG of the UNITED STATES Training Ship Essex **Rate,**

Along side of dock at Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Alongside of dock	South	1			30.56	46	34	33		Lc	Ci.	6	
1				"	"	1			30.55	46	32	32		"	"	6	
2				"	"	1			30.54	44	34	33		"	"	6	
3				"	"	1			30.54	45	35	33		"	"	6	
4				"	"	1			30.54	47	34	33		"	Ci.	4	
5				"	"	1			30.54	48	34	33		"	"	8	
6				"	"	1			30.56	49	35	35		"	St.	8	
7				"	"	1			30.56	49	42	40		"	"	8	
8				"	S.S.W.	1			30.57	49	47	45		"	"	8	
9				"	"	1			30.58	50	43	45		"	"	8	
10				"	"	1			30.58	54	54	50		"	"	9	
11				"	"	1			30.57	54	56	52		"	"	9	
Noon.																	

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, tons, 1730 lbs.

Coal remaining on hand at noon, 142 " 2015 "

P. M.				Along side of dock.													
1				"	S.S.W.	2-3			30.54	59	61	55		Lc	None	10	
2				"	S.W.	2-3			30.53	65	61	55		"	"	10	
3				"	"	2			30.54	70	61	60		Lc.	Cu.	8	
4				"	"	1			30.53	65	65	58		"	"	8	
5				"	"	1			30.53	69	61	55		"	Ci.	8	
6				"	"	1			30.56	67	58	53		"	"	9	
7				"	"	1			30.54	69	56	53		"	"	9	
8				"	"	1			30.55	68	55	53		"	"	9	
9				"	"	1			30.56	68	55	53		"	"	8	
10				"	"	2			30.54	66	55	53		"	"	8	
11				"	"	2			30.54	66	55	53		"	"	9	
Mid.				"	"	2			30.54	66	55	53		"	"	9	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, December 29, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair and cold. Light airs from South.

C.M. Fahs
Lieut U.S.N.

4 to 8 a.m.
Clear and cool. Light airs from South. Barometer steady. At all hands, released A. Nicholson, App'd class, from confinement for safe keeping.

F. F. Leafer,
Lieut U.S.N.

8 a.m to meridian.
Clear and pleasant. Light airs from S.S.W. Engaged in cleaning ship after coaling. Transferred T. Long, B.M. 2cl with bag & hammock, to Montgomery. Received lighter alongside at eight, and began filling boilers with fresh water. At 11 went to quarters ~~colors~~ muster, and found the following men absent without leave. C.K. Duffield, App. 3cl. J.W. Kielman, App. 3cl. E. Taylor, App. 3cl & J.F. Morris, App. 3cl Absent over leave, J.J. Maloney, C.P. & C.Z. Mastwell, mach. 1cl. The following were declared deserters from today. J. Van Wall, Ord. and F.W. Scott, Ord. Yard workmen in Construction & Steam Engineering on board.

J. F. Leafer
Lieut. U.S.N.

Meridian to 4 p.m.
Clear and pleasant. Light to gentle breezes from S.W. and S.S.W. By order of Bur. of Navigation, the following transfers were made: T.J. Long, B.M. 2cl, to Montgomery, T. Mosely, boiler-maker, to the Franklin, and H.A. Ellis, oiler to the Navy Yard, Washington, D.C. H.J. Whalen, App. 3d Class, was discharged from the U.S. Naval Service as being incorrigible and undesirable. Received from the "Vigilant" with bag, hammock and necessary transfer papers of C.F. Coye, App. 3cl By order of Commdg Officer, Thomas Mosely, Boiler maker, was released from confinement to enable him to get ready for above mentioned transfer. Navy Yard painters on board.

C.M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Clear and pleasant. Light airs from S.W. Recd from "Franklin" with bag, hammock, and transfer papers, Johan Johnson, boiler maker.

J. F. Leafer
Lieut. U.S.N.

8 p.m to mid night
Clear and pleasant. Bright moon light. Light airs and breezes from S.W.

C.M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E.E. Wright
Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex **Rate,**

Alongside of Dock, Navy Yard, Norfolk, Va.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.				Along side of dock	S.S.W.	1											
1				"	"	1			30.56	62	53	52		b	nim	10	
2				"	"	1			30.57	63	51	50		"	"	10	
3				"	"	1			30.57	63	50	49		"	"	10	
4				"	"	1			30.55	62	50	49		"	"	10	
5				"	"	1			30.56	64	48	48		"	"	10	
6				"	"	1			30.58	54	49	48		"	"	10	
7				"	"	1			30.58	54	49	48		"	"	10	
8				"	"	1			30.59	54	49	48		b.c	ci.	8	
9				"	"	2			30.61	66	57	54		"	ci cu	9	
10				"	"	1			30.62	61	60	57		b.	nim	10	
11				"	"	2			30.61	66	63	59		b.c	Cu	9	
Noon.									30.57	70	64	58		"	"	9	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 900 "

Coal consumed during the preceding 24 hours, 1 tons, 1215 lbs.

Coal remaining on hand at noon, 141 " 800 "

P. M.														
			Alongside of Dock.											
1			"	S.S.W.	1			30.57	74	74	60	b.c	Cu	9
2			"	"	1			30.57	74	74	63	"	"	9
3			S. x E.	"	1			30.57	77	74	64	"	"	9
4			"	"	1		*	30.79	75	69	57	"	"	9
5			Various	"	1			30.79	75	68	57	"	"	8
6			"	"	1			30.79	76	64	58	"	Ci cu	8
7			N.N.W.	"	1			30.79	70	58	54	"	"	8
8			N.W. x W.	"	1			30.79	68	59	54	"	"	8
9			S.	S.	1			30.85	68	59	54	"	"	7
10			S x E.	"	1			30.84	65	55	54	"	"	7
11			S.	"	1			30.84	65	55	53	"	"	7
Mid.			S.	"	1			30.84	65	55	53	"	"	7

4—265

* See note on opposite page concerning correction.

under the command of Commander Frank Courtis, U. S. Navy,

Friday, December 30, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear and pleasant. Light S.S.W'ly breezes. Barometer steady. Started fires under boilers D at 3 a.m. J.J. Maloney, L.A. returned on board. 6 hrs overtime

O'Neill
Ensign, U.S.N.

4 to 8 a.m.
Clear and pleasant. Light airs from S.S.W.

J. Towney
Lieut. U.S.N.

8 a.m. to meridian.
Clear and pleasant. Light S.S.W'ly breezes. At 9.30 inspected at quarters. 1 Mess without leave. C.A. Suffield, app. 3 cl. J.M. Hickman, app. 3 cl. E. Taylor, app. 3 cl. J.K. Morris, app. 3 cl. All returned over leave. E.J. Masures, mach. 1 cl. being confined in jail in Norfolk, for 30 days for stealing an overcoat. His accounts and effects were transferred to the U.S.S.S. Franklin by order of the Commander-in-Chief. H. Hutchinson, App. 3 cl. returned from leave. Held routine divisional drills. Had dock trial of engines from 10 to 10:45 a.m. The Yosemite came into the yard, and saluted the Commodore with 11 guns, which the yard battery returned with seven guns. The Alvarinda went into Dry Dock. By order of the Commdg. Officer, placed C.A. Desormeaux, app. 3 cl. in two days solitary confinement, on bread and water for using profane and indecent language on Quarter deck. Also E.A. Childs, App. 3 cl. in 3 days solitary confinement on bread and water for chewing tobacco and lying. The commander awarded the following punishments. J.F. Campbell, app. 3 cl. for disobeying orders. 28 hrs. extra duty. D. Ashmead, app. 3 cl. H. Lewis, app. 3 cl. M. Nolan, app. 3 cl. W.B. Toomey, app. 3 cl. all for swearing, 56 hrs extra duty. H.W. Schlimper, app. 3 cl. for profanity, 28 hrs. extra duty. J. Caprige, app. 3 cl. disobeying orders, reduced to 3 cl. class. J.J. Melling, app. 3 cl. giving prisoner a pipe, reduced to 3 cl. class. O.E. Hunt, G.H. Miller, A.M. Kaehler, (apps 3 cl.) shooting, reduced to 3 class. J. Talbot, app. 3 cl. clothes adrift, 4 hrs extra duty. Maloney, J.J. Coal passer, 6 hrs overleave, reduced to 4 class. O. Williams, mess att. 6 hr. over leave, 4 class. The last two named returned on board, each the number of hours over leave as noted in the punishments. Yard painters at work on board.

C.M. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Clear and pleasant. Light S.S.W'ly airs. Barometer steady. The navigator made a correction in the Barometer so that it agrees with the Mercurial, lowering the reading .25. At 2.30 began making preparations for leaving the dock. At 3.0 shoved off from the dock, and with assistance of tug started down stream, standing down stream at end of watch. Yard workmen on board until 3 o'clock. Drafts on leaving 14'6" forward and 17' aft. Constantly Closed, and part of port fore and rail was carried away by the Mohawk in trying to swing ships head around.

O'Neill
Ensign, U.S.N.

4 to 6 p.m.
Fair and pleasant. Light S.S.W'ly airs. At 4.10 anchored with starboard anchor in 5 fathoms, veered to 15 fathoms. Ships head, S. & E. (p.c.) Bearings Hospital Staff, 2 2½ E. (p.c.) North corner Tenneste point Dock, N. 56° W. (p.c.). Banked fires under Boiler D. and let them die out under it. The starboard Barometer was accidentally knocked down and damaged. Recd. a draft of 7 men from the U.S.S. Franklin, 3 mach. 1c, 3 landsmen, 1 yard and room cook, with 2 bags, 2 mail bags and some papers.

C.M. Fahs
Lieut. U.S.N.

6 p.m. To Midnight.
Fair and pleasant. Light airs from S. Barometer falling. Swinging to ebb tide at end of watch.

O'Neill
Ensign, U.S.N.

Examined and found to be correct.

E. F. Reeper,
Lieut. U.S.N. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor off Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Digits.	State of the Sea.
A. M.																	
1				S	S.S.W.	1-2			30.31	64	51	50		b.c	Cu.	5	
2				S. x E.	"	1-2			30.30	64	51	50		"	c.cu	4	
3				S.E.	"	1			30.29	64	52	50		"	"	2	
4				S.E. x S.	"	2			30.29	64	52	52		"	"	2	
5				"	"	1			30.26	65	58	57		"	Cu.	4	
6				Swinging	"	1-2			30.23	65	58	57		"	a-Cu	2	
7				West	S.W.	1			30.27	66	59	58		o.c	a.cu	0	
8				"	"	1			30.27	66	60	59		"	"	0	
9				"	"	1			30.23	66	60	59		"	"	0	
10				N.W. x W.	"	1			30.23	66	61	61		o.c.f.	"	0	
11				"	"	1			30.23	67	61	61		o.c.	"	0	
Noon.				"	"	1			30.22	67	61	61		"	"	0	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1600 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 2 tons, 220 lbs.

Coal remaining on hand at noon, 139 " 580 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Digits.	State of the Sea.
P. M.																	
1				S.E.	S.S.W.	1			30.20	66	63	62		o.c.	a.cu.	0	
2				"	S	1			30.18	66	63	62		b.c	"	1	
3				"	"	1			30.16	67	63	62		"	"	3	
4				"	S.S.W.	1			30.14	65	63	62		"	"	2	
5				S. x E.	"	1			30.15	65	63	62		"	"	2	
6				N. x E.	N.N.E.	2			30.15	62	52	53		o.c	"	0	
7				N.W. x N.	"	3			30.19	62	45	45		"	"	0	
8				"	"	2-4			30.21	54	43	42		"	"	0	
9				N.N.W.	"	3			30.21	53	42	41		o.c.d.	N.	0	
10				N.W. x N.	"	2-4			30.20	51	41	41		o.c.	"	0	
11				"	N.	3-4			30.19	50	38	38		"	"	0	
Mid.				"	"	4			30.19	48	35	35		"	"	0	

4—955

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, December 31, 1, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy and pleasant, light easterly airs and breezes. Barometer falling, moonlight, riding to ebb.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Cloudy and overcast. Light airs from E.S.E. and S.W. Barometer falling slowly. Swinging to flood tide between 5:30 and 6:00 a.m.

E. F. Leiper,
Lieut. U.S.N.

8 a.m. to noon.
Overcast, fog several hours. Light southerly airs. Barometer steady. Swinging to ebb tide at end of watch, to bend sail. Bent fore and

By order of the commanding
n. apps. sch. were released
good condition, 62 life buoys.
m launch was brought

Ensign, U.S.N.

ing. Finished swinging to
eb, but her main stream

Ralph Earle,
Ensign, U.S.N.

rapidly. Barometer rising.
Navy Yard following stores.
tide between 5 and 6 p.m.

Ensign U.S.N.

8 p.m. to midnight.
Overcast, cold with heavy rain. Light to moderate breezes from N.N.E. and North in first watch. Barometer falling. At 8, veered to 25 fathoms on starboard chain.

Ralph Earle,
Ensign U.S.N.

Stores Received

Navigation
7 National Ensign
1 Madagascar
1 China
1 Paraguay
1 San Salvador
1 Argentine Rep.
1 Chilean
1 Corea

Equipment
8 deck cloths
1 Flying Jib net
1
1 Canopy, steam cutter
1 set side curtains steam cutter

Ordnance
2 breech blocks 4" with electric & percussion firing pins

Ensign U.S.N.

APPROVED.
Frank Courtis
COM'D'R., U.S.N., COM'D'G.

Examined and found to be correct.

E. F. Leiper,
Lt.
Navigator.

4—285

under the command of Commander Frank Curtis, U. S. Navy,

Saturday, December 31, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 a.m.
Cloudy and pleasant, light easterly airs and breezes. Barometer falling, moonlight, riding to ebb.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Cloudy and overcast. Light airs from E.S.E. and S.W. Barometer falling slowly. Swinging to flood tide between 5:30 and 6:00 a.m.

F. F. Leiper,
Lieut. U.S.N.

8 a.m. to noon.
Overcast, fog second hour. Light easterly airs. Barometer steady. Swinging to ebb tide at end of watch. At 8:30, made preparations for bending sail. At 9:20 called all hands to bend sail. Bent fore and main topsail, foresail, main trysail, and spanker. Sent boat sails. By order of the commanding Officer, A.G. Squires, app. 3d. W. J. V. Fortune, app. 3d. and C. H. Allan, app. 3d. were released from confinement, their terms having expired. Tested and found in good condition, 62 life buoys. All forward part at work setting up head rigging. At 10:30 steam launch was brought alongside by yard launch.

Ralph Earle,
Ensign, U.S.N.

noon to 4 p.m.
Generally cloudy and pleasant. Light variable airs. Barometer falling. Finished swinging to ebb at 12:15. Rigging jib netting. Steam was raised in steam launch, but her main steam pipe being found to be cracked, she was hoisted.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Overcast and cloudy. Rainy last hour. Thermometer falling rapidly. Barometer rising. Light to moderate breezes from S.S.W. and N.N.E. Recd. from Navy Yard following stores, Equipment and Ordnance Depts. (see list) Swinging to flood tide between 5 and 6 p.m. W.B. Caswell P.A. Engineer, U.S.N. was detached and left the ship.

Ralph Earle,
Ensign U.S.N.

8 p.m. to midnight.
Overcast, cold with heavy rain. Light to moderate breezes from N.N.E. and North in fast squalls. Barometer falling. At 8, veered to 25 fathoms on starboard chain.

Ralph Earle,
Ensign U.S.N.

APPROVED,
Frank Curtis
COM'D'R., U.S.N., COM'D'G.

Examined and found to be correct.

F. F. Leiper,
Lt.
Navigator.

4—200

LOG of the UNITED STATES Training Ship Essex **3d Rate,**

Harbor off Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N x W.	North	4-5			30.24	47	33	33		c.r.	N.	0	
2				"	"	4-5			30.26	45	31	fogs		"	"	0	
3				E. N. E.	"	5-2			30.28	42	29	"		"	"	0	
4				"	"	5-2			30.29	42	27	"		"	"	0	
5				"	"	5-6			30.26	40	27	"		o.c.s.	"	0	
6				N. N. W.	"	3-6			30.32	45	24	"		"	"	0	
7				"	"	3-5			30.28	38	24	"		"	"	0	
8				"	"	3-5			30.42	36	24	"		"	"	0	
9				N. W. x W.	"	4			30.42	34	23	"		"	"	0	
10				"	"	4			30.58	34	23	"		o.c.	"	0	
11				N. N. W.	N. N. W.	3-4			30.67	34	24	"		"	"	0	
Noon.				"	"	3			30.72	35	25	"		b.c	cu	7	

Position at 8 A. M. { Latitude by ° ' " Temp of Mag.
Longitude by ° ' " Fore Aft

Position at noon: { Latitude by observation ° ' " 63.63 63.62
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1800 "

Water remaining on hand fit for use at noon, 3200 "

Coal consumed during the preceding 24 hours, 1 tons, 2160 lbs.

Coal remaining on hand at noon, 137 " 660 "

P. M.																	
1				North	North	3			30.74	42	21	fogs		b.c.	cu	8	
2				Swinging	"	3			30.74	45	30	"		"	"	8	
3				E. x S.	"	3-4			30.74	45	25	"		"	"	8	
4				"	"	3-4			30.76	44	25	"		"	"	9	
5				E x N	N. N. W.	4			30.83	38	25	"		"	"	9	
6				Swinging	"	4			30.86	36	24	"		"	"	9	
7				N. N. W.	"	3			30.88	34	23	"		b.	nne	10	
8				"	"	3			30.97	34	22	"		"	"	10	
9				N W. x N.	"	3			30.97	34	21	"		"	"	10	
10				"	"	3			30.98	34	20	"		b.c.	cu	8	
11				"	"	3			31.00	34	19	"		"	"	9	
Mid.				"	"	3			31.00	31	19	"		"	"	9	

4—260

under the command of Commander Frank Courtis, , U. S. Navy,

Sunday. January 1st , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 a.m.
Overcast. Moderate breezes from North. Blowing fresh in squalls. Swinging to ebb tide at 2. Clear falling at intervals during watch.

J. F. Bowry
Lieut. U. S. N.

4 to 8 a.m.
Overcast and snowy, cold. Gentle breeze, blowing fresh in squalls from E. N. E. to N. N. W. Barometer rising rapidly, Swing to flood tide between 5 and 6.

Ralph Earle
Ensign, U. S. N.

8 to meridian
Overcast, with snow first hour. Clearing, last hour. Cold. Gentle to moderate N'ly, and N. N. W. by breeze in squalls. Barometer rising rapidly. Riding to flood. At 9:30 read articles of war, and held general muster. Absentees. P. W. Loft, Eds. J. L. Morris, app. 3cl. C. H. Suffield, app. 3cl. E. Taylor, app. 3cl. and J. W. Buckman, app. 3cl. The chaplain held divine service.

Ralph Earle,
Ensign, U. S. N.

meridian to 4 p.m.
Clear and cold. Gentle breezes from the North. At 2 the chaplain held divine services on the gun deck. Ensign E. N. Bennett, reported for duty on board. Swung to ebb tide at 2. Barometer steady.

J. F. Bowry
Lieut. U. S. N.

4 to 8 P.M.
Clear and cold. Moderate to gentle N. N. W. ly breezes, blowing in squalls. Barometer rising rapidly. From 5:45 to 6:30, swinging to flood tide.

Ralph Earle,
Ensign U. S. N.

8 p.m. to, midnight
Clear and very cold. Gentle breeze from N. N. W. Very high barometer. Moon rose at 9:35

J. F. Bowry
Lieut. U. S. N.

Examined and found to be correct.

E. F. Leiper,
Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex **3d Rate,**

At anchor off Norfolk Va

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. W.	N. N. W.	3			31.01	63	20	fro.		b. c.	Ci. s.	3	
2				Swinging	"	2			31.02	61	21	"		"	"	4	
3				E. by S.	"	2			31.02	58	23	"		"	"	4	
4				E. S. E.	N. E. by N.	2			31.02	57	24	"		"	"	4	
5				East	"	2			31.03	55	21	"		"	Ci.	2	
6				South	"	1			31.08	53	21	"		"	"	3	
7				N. E. by N.	"	1			31.10	53	21	"		"	"	1	
8				North	"	1			31.15	63	21	"		"	"	1	
9				N. N. W.	E. N. E.	2			31.14	63	23	"		"	Cu.	1	
10				"	"	2			31.14	63	23	"		"	"	1	
11				"	"	1			31.12	61	25	"		"	"	1	
Noon.				"	"	1			31.09	61	27	"		"	"	4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp Mag.
Longitude by ° ′ ″ Ton Apr.

Position at noon: { Latitude by observation ° ′ ″ 6362 6361
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 360 lbs.

Coal remaining on hand at noon, 136 " 300 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				N. by E.	E. N. E.	1			31.11	69	27	fro.		b. c.	Cu.	9	
2				E. by S.	"	1			31.08	69	27	"		"	"	9	
3				S. E. by E.	E.	1			31.03	67	31	"		"	"	9	
4				S. E.	"	1			31.04	67	31	"		"	"	9	
5				S. E. by E.	"	1			31.05	67	29	"		"	"	9	
6				"	"	1			31.05	68	27	"		"	"	9	
7				Swinging	"	1			31.05	69	26	"		"	"	9	
8				"	"	1			31.04	69	25	"		b	mc	10	
9				N. W.	"	1			31.02	70	27	24		"	"	10	
10				"	Calm	0			31.01	70	27	27		"	"	10	
11				"	"	0			30.99	69	27	27		"	"	10	
Mid.				"	"	0			30.98	69	27	27		"	"	10	

under the command of Commander Frank E. Courtis, U. S. Navy,

Monday, January 2, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 a.m.
Clear and cold. Bright moonlight. Light N.N.W. breeze. Barometer very high and steady. Swung to ebb tide between 1.30 & 2.45.

W. Kirkpatrick
Ensign, U.S.N.

4 to 8 a.m.
Clear and very cold. Light N.E. & N'ly breezes and airs. Bright moonlight. Barometer very high and rising. Swinging to flood at 8. Bent jib, and spare topmast stay.

Ralph Earle,
Ensign, U.S.N.

8 am to meridian.
Clear and cold. Light airs and breezes from E.N.E. High barometer. P.M. Coffi, Rds., who left the ship Saturday night without permission, returned on board at 9 o'clock, and was placed in double irons to await further investigation. At 9.30 went to quarters for inspection, the following men being absent. J.R. Morris, app. 3cl. C.H. Duffield, app. 3cl. E. Taylor, app. 3cl. and J.H. Hutchman, app. 3cl. Released E.F. Childs, app. 3cl. from confinement. Hove in to 15 fathoms at waters edge, on starboard chain, engaged during watch in clearing boats for sea, and putting on chafing gear.

J. B. Howry
Lieut. U.S.N.

meridian to 4 p.m.
Clear and cold. Light airs from E.N.E. and East. Barometer very high, but falling. Swung to ebb tide between 1 and 2. Engaged in making preparations for sea.

W. Kirkpatrick
Ensign U.S.N.

4 to 8 p.m.
Clear and very cold. Light airs from east. Swung to flood tide between 7 and 8.

J. B. Howry
Lieut. U.S.N.

8 pm to mid night
Clear and calm. Cold. Barometer very high. Falling slowly. Flood tide.

W. Kirkpatrick
Ensign, U.S.N.

Examined and found to be correct.

E. F. Lyon,
Lt.
Navigator.

4—999

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor off Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				N.N.W.	Calm	0			30.90	62	29	fro		b	more	10	
2				S.E x E.	"	0			30.88	62	27	"		"	"	10	
3				S.E.	W x S.	1			30.88	60	27	"		"	"	10	
4				S.E x S.	"	1			30.85	59	28	"		"	"	10	
5				"	Calm	0			30.83	54	28	"		"	"	10	
6				South	W.S.W.	0-1			30.83	52	27	"		b.c.	cu.	7	
7				S.S.E.	S.S.W.	0-1			30.82	62	27	"		"	a cu.	3	
8				W.S.W.	W.S.W.	2			30.85	62	27	"		"	"	5	
9				N.W.	"	1-2			30.87	64	30	"		"	"	9	
10				"	"	1			30.86	69	32	"		"	"	8	
11				Various	"	1			30.83	68	33	"		"	"	8	
Noon.				"	"	1			30.83	67	35	34		"	"	9	

Position at 8 A. M.: Latitude by ° ′ ″ Temp. Mag.

Longitude by ° ′ ″ Fore Aft.

Position at noon: Latitude by observation ° ′ ″ 63.6r 63.61

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, ——— "

Water remaining on hand fit for use at noon, 7200 "

Coal consumed during the preceding 24 hours, 2 tons, 1895 lbs.

Coal remaining on hand at noon, 133 " 645 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																	
1				Various	East	1			30.78	71	42	38		b.c.	a cu.	2	
2				"	"	1			30.78	72	42	39		"	"	2	
3			19.9	Swinging Ship	"	2			30.74	70	43	41		"	c cu	5	S
4	5	2	23.1	S.E. ½ E.	"	2			30.70	70	44	42	46	"	"	4	"
5	8	6	31.7	"	S.E.	1			30.75	70	43	41	45	"	"	2	"
6	8	8	40.5	"	S.S.E.	2			30.79	74	49	49	45	"	"	4	"
7	8	7	49.3	"	S.	2			30.79	74	50	49	48	"	"	4	"
8	8	6	57.6	"	"	2			30.79	73	51	50	51	"	"	4	"
9	9	1	66.7	"	S.S.W.	3			30.75	70	54	52	51	b.	pcu	10	"
10	9	1	75.8	"	"	3			30.77	69	54	52	51	b.c.	S	9	"
11	8	8	84.6	"	"	2			30.76	69	55	53	52	"	"	9	"
Mid.	8	4	93	"	"	2			30.75	68	57	55	52	"	a cu.	6	"

4—205

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, Jan. 3, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear, cold. Calms first part. Light airs from W x S. last part. Swung to ebb between 1 and 2. Heavy frost.

F.M. Bennett. Ensign U.S.N.

4 to 8 a.m.
Clear to fair. Calms and light airs from W. N. W. to S. S. W. At 5 started fires under boilers A & B. Barometer falling slowly. Started to swing to flood tide at 7:45.

T. Howry
Lieut. U.S.N.

8 a.m. to meridian.
Clear and cool. Light W. N. W'ly airs. Barometer steady. Completed preparations for sea. At 10:35 called all hands up anchor, and at 10:45 started ahead. Draft 7 on leaving port 14'6" forward and 17' aft. At end of watch, standing down Elizabeth River toward Hampton Roads. At end of watch, steaming under all boilers. Average steam pressure 66 average revolutions 41

Geo. Lee
Ensign U.S.N.

meridian to 4 p.m.
Fair pleasant weather. Light airs and breezes from the East. Standing down Hampton Roads for sea. Navigator exercising. At 2:10 Cape Henry Light house sighted. At 2:40 slowed down and swung ship for compass deviation with port helm. At 3:30 went ahead full speed on course S.E. ½ S. (Mag.). Put over patent log, reading 19.9 Braced up yards. Got both anchors in bows and secured them for sea. Put in jackstaffs. At end of watch on course S.E. ½ S. Pat. log 23.3. Average steam pressure 59. Average revolutions 48. Cape Henry light bearing N. 60 W. distant about 5 miles at 3:30 P.M.

F.M. Bennett, Ensign U.S.N.

4 to 6 p.m.
Fair and pleasant. Light S.E'ly and S.S.E'ly airs and breezes. Barometer rising. At 6.16, Currituck Light was abeam, log 42. Roll 4 degrees. On course S.E. ½ S., log 40.5, at end of watch. Average steam pressure 63. Average revolutions 53.

Ralph W. Earle,
Ensign U.S.N.

6 to 8 p.m.
Fair and very pleasant. Light breeze from South. Roll 4° to Port. At 6:50 set fore topmast staysail, jib, and main try sail. At 7:45, made Bodie Gold light about 3 points forward of Starboard beam. On course S.E. ½ S. during watch. Average steam pressure 63. Average revolutions 53.

T. Howry
Lieut. U.S.N.

8 p.m. to midnight
Clear, clouding over somewhat last hour. Damp. Gentle to light S.S.W. Breezes. Barometer fluctuating. At 10:00 Bodies light was abeam. Currituck light in sight off on port during watch, passed a sail close aboard on port hand. Ship rolling easily from 4° to 7° to port and from 1° to 3° to Starboard. Smooth sea. Average steam pressure 58. Average revolutions 53. Moon rose at 11:30

Geo. Lee
Ensign U.S.N.

Examined and found to be correct.

E. T. Langer,
Lt. & Navigator.

LOG of the UNITED STATES Training Ship Essex **3d Rate,**

Making passage from Norfolk Va. to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel. Bell	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.																	
1	9	0	102.0	S.E. ½ S.	S. x W.	4			30.75	63	55	56	59	b.c.	Cu	2	5
2	8	3	110.3	"	South	3			30.78	63	57	57	68	"	"	2	"
3	7	7	18.0	"	"	3			30.78	69	59	58	70	"	"	1	"
4	8	0	26.0	"	"	3			30.69	60	62	59	73	"	"	0	"
5	7	9	33.9	"	"	3	S. P. 10° 12°		30.70	65	59	58	73	"	S.Cu	5	"
6	7	0	40.9	"	"	3	10° 11°		30.72	65	59	58	73	"	"	3	"
7	6	9	47.8	"	S.S.E.	3	9° 8°		30.72	65	63	62	73	b.c.	Cu	3	"
8	7	4	55.2	"	"	3	2° 3°		30.74	65	64	62	73	b.c.	"	4	M
9	7	8	63.0	"	S.	3	2° 3°		30.73	66	67	68	73	b.c.	"	4	"
10	6	8	69.8	"	"	3	2° 3°		30.75	67	68	67	73	b.c.	"	4	"
11	5	7	75.5	"	"	3	2° 3°		30.75	67	69	68	73	"	"	3	"
Noon.	4	5	81.5	S.E.	"	3	3° 5°		30.72	67	69	69	74	"	"	3	"

Position at 8 A. M.: Latitude by D.R. 35° 16′ 0″ N. — Temp. of Mag. For. 64.62
Longitude by D.R. 73° 59′ 0″ W. — Aft. 64.63

Position at noon: Latitude by observation 35° 05′ 0″ N.
Longitude by observation 73° 17′ 0″ W.
Latitude by D. R. 34° 57′ 0″ N.
Longitude by D. R. 73° 38′ 0″ W.

Course made good since preceding noon: S.E. ¼ E.

Distance made good since preceding noon: 161 6/10 knots miles.

Distance by Log since preceding noon: 163 8/10 " miles.

Current per hour: 0.98 miles, set N 65° E true.

Position at 8 P. M.: Latitude by Obs. ⊙ & ✱ Aldebaran. 34° 59′ 0″ N.
Longitude by Obs. ⊙ & ✱ Aldebaran. 74° 20′ 0″ W.

Variation of compass:

Error of compass observed at 9 a.m. shipshead S.E. ½ S. (azimuth ⊙) 3° 26′ W'ly.

Deviation of compass ~~on~~ at 9 " " S.E. ½ S. " 1° 34′ W'ly variation used 5° W'ly.

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, ——— "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 13 tons, 405 lbs.

Coal remaining on hand at noon, 120 " 240 "

P. M.																	
1	6	8	87.3	S.E.	S.S.E.	3	S. P. 3° 5°		30.70	67	69	68	72	b.c.	Cu	3	M
2	5	0	93.3	"	South	3	7° 10°		30.68	67	69	66	73	"	"	5	"
3	6	5	98.8	East	"	3	9° 10°		30.68	67	69	66	73	"	"	6	"
4	5	2	4.0	E. ½ S.	S. x E.	3	0° 10°	1/2	30.68	67	67	66	73	"	"	6	"
5	5	9	9.9	"	"	3	6° 10°	1	30.68	67	67	66	74	"	St.Cu	6	S
6	5	5	15.4	"	"	4	6° 10°	1	30.68	68	65	63	73	"	"	6	"
7	5	6	21.3	E. x S.	South	4-5	6° 10°	1	30.68	68	65	63	73	"	"	4	"
8	5	7	27.0	"	"	4-5	0° 10°	1	30.66	70	65	63	74	"	"	5	"
9	6	3	33.3	"	"	4-5	0° 13°	1	30.72	70	66	63	74	"	"	2	M
10	6	6	39.9	"	"	4	0° 12°	1	30.72	70	65	63	74	"	"	3	"
11	6	3	46.2	"	"	4	0° 11°	1	30.65	70	65	63	72	"	"	4	"
Mid.	5	8	52.0	"	"	4	0° 12°	1	30.64	70	65	63	72	"	"	7	"

4—260

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday, January 4th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy, clearing last hour. Light to gentle breezes, from South and S by W. At 1:20 took in jib and fore topmast staysail and main trysail. Max. roll, 11°. At end of watch on course, S.E. p. S. p. 8 Log 26. No. steam boilers 6, rev. 50.

4 to 8 a.m.
F. M. Bennett Ensign, U.S.N.
Generally fair and pleasant. Passing light rain squalls. Gentle S by and S.S.E by breezes. Barometer rising. Maximum roll 15°. At end of watch on course, S.E. p. S. Log, 55.2. Average steam, 49.9 lbs. Average revolutions, 52.

Ralph Earle,
Ensign, U.S.N.

8 a.m. to meridian
Cloudy but very pleasant, with passing rain squalls during first hour. Gentle breeze from S. Steaming on course, S.E. p. S. till 11:45 when the course was changed to S.E. Patent log reading 86. Set jib, fore topmast staysail and main trysail at 8:30. Took them in at 9:30 and set them again at 11:30. Went to Quarters for inspection at 9:30, followed by routine drills. The commanding officer awarded the following punishments: W. J. Page and A. E. Vaughn, 4th class, for playing cards on Sunday. C. Robinson, 8 hrs. extra duty for smoking during divine service. Fries, H. M. 5 days. Double Irons, bread and water, for disobedience of orders. * Hoff, E. T. 4 hours extra duty for having clothes adrift. Baker, G. J. 3 days solitary confinement on bread and water, for striking Chief Master at Arms W. H. Martin and W. E. Bowers, 4 hours extra duty for having clothes bags adrift. A. W. Kaebler and W. K. Loving, 4th class, J. L. Phillips, 2d class, H. M. Fries, and G. J. Baker, confined in accordance with punishment awarded. Average steam 50 lbs. Average revolutions, 40.

* For positive refusal to obey orders.

T. T. Bowyer
Lieut. U.S.N.

Meridian to 4 p.m.
Fair and pleasant. Gentle Breeze from S to S.S.E. Barometer steady. Hauled down fore and aft sail at 1. At 2 changed course to East (p.c) and at 2:30 called all hands make sail. Rousd and set fore and main topsails and foresail, fore topmast staysail, jib, and main try sail. Fires allowed to die out in three boilers, and screw disconnected at 3:20. At end of watch, sailing on the wind, under above mentioned sail. Ship rolling easily 5° to 7° starboard, 5° to 10° port. Started distilling at 3:20.

John Lee
Ensign, U.S.N.

4 to 6 p.m.
Fair pleasant weather. Gentle to moderate breezes from S.S.E. Mustered at evening quarters at 5:15. After quarters had prayers. Beat main topmast staysail. Ship rolling from 6° to 10°. On end of watch on course, E. p. S. sailing on the wind under fore and main topsails foresail, jib, fore topmast staysail, and main try sail. Patent log, 154.

F. M. Bennett, Ensign, U.S.N.

6 to 8 p.m.
Fair and pleasant. Moderate to stiff S.E. by E. breezes. Barometer falling. Maximum roll, 10°. At end of watch under jib, fore topmast staysail, foresail, fore topsail, main topsail and main try sail, On Course E.S.E. Log, 17.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight
Cloudy to clear. Moderate breeze from South, blowing stiff and fresh in squalls. Barometer falling. On course E.S.E. during watch, under same sail as preceding watch. Rolling and pitching easily.

T. T. Bowyer
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lt. & Navigator.

4-98

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk Va. to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
							P.S.										
A. M.																	
1	5	5	57.5	E x S	S.S.W.	3	9°-0"	1/2	30.64	70	63	63	74	b.c	Cu.N.	7	M
2	5	8	63.3	"	"	3-5	9°-0"	1/2	30.64	68	65	64	75	"	"	7	"
3	6	1	69.2	"	"	3-4	8°-0"	1/2	30.62	68	65	64	75	"	"	8	"
4	5	9	75.1	"	"	3	8°-0	1/2	30.62	68	65	64	75	"	Ci.	8	"
5	6	4	81.5	"	S x W.	4	10°-0	3/4	30.56	66	65	64	68	"	Ci.S.	7	S
6	5	8	87.3	"	"	4	10°-0	3/4	30.61	67	67	65	68	"	Ci.S. Ci.	6	"
7	5	4	92.7	"	"	4	8°-0	3/4	30.61	70	67	65	67	b.c.p.	Cu.N.	5	"
8	4	8	97.5	"	"	4	9°-0	3/4	30.61	65	67	65	67	b.c.	"	7	"
9	5	8	3.3	"	"	5-6	8°-0	3/4	30.62	66	68	67	70	b.c.p.g.	"	7	"
10	7	2	10.5	"	"	5	7°-0	3/4	30.62	68	68	67	70	b.c.g.	"	7	"
11	2	7	13.2	"	"	5	9°-0	3/4	30.60	60	68	67	69	"	"	6	M
Noon.	4	7	17.9	"	"	5	8°-0	3/4	30.58	70	68	67	67	"	"	6	"

Position at 8 A. M.: Latitude by D.R. 8.00 A.M. 34 ° 59' 0 " N. Temp of Mag. Air
Longitude by obs ° " 70 ° 54' 0 " W. Sea Att

Position at noon: Latitude by observation 34 ° 54' 12 " N. 64.67 65.67
Longitude by observation 70 ° 32' 0 " W.
Latitude by D. R. 34 ° 56' 0 " N.
Longitude by D. R. 70 ° 30' 0 " W.

Course made good since preceding noon: S 86° E.

Distance made good since preceding noon: 133 miles.

Distance by Log since preceding noon: 137.3 miles.

Current per hour: 1/10 miles, set S 39 W. true.

Position at 8 P. M.: Latitude by D. R. 34 ° 58' 4r " N.
Longitude by D.R. 69 ° 36' 0 " W

Variation of compass:

Error of compass observed at 8.30 a.m. by azimuth 0 ship head E x S. 1° 15' wly.

Deviation of compass on at " " " " " " 4° 45' ely variation used 6° wly

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 2 tons, 1420 lbs.

Coal remaining on hand at noon, 117 " 1060 "

P. M.							P.S.										
1	4	2	77.1	E x S.	S x W.	4-5	12°-0	3/4	30.56	66	68	66	66	b.c	Ci. Cu. N.	5	M
2	5	7	27.8	E 3/4 S.	"	4-5	12°-0	1	30.56	68	69	66	66	"	S.Cu.	5	"
3	5	7	33.5	E 1/2 N.	S.	4	11°-0	1	30.56	68	68	67	66	"	"	4	"
4	6	9	39.4	E 1/4 S.	S x W	3-5	12°-0	1	30.58	67	68	67	66	o.c.p.	"	0	"
5	5	9	45.3	E 1/2 N.	S x E.	3	10°-2°	3/4	30.59	68	68	67	68	b.c	Cu.S.	2	"
6	4	6	50.1	East	South	3	10°-2°	3/4	30.59	68	68	67	68	"	"	2	"
7	5	6	55.6	"	S.S.W.	4-5	11°-0	3/4	30.59	70	68	66	67	"	S.	6	"
8	5	6	61.2	"	"	4-5	11°-0	3/4	30.59	71	68	66	67	"	"	7	"
9	6	0	67.2	E x S.	"	4-5	10°-0	3/4	30.59	71	68	65	67	"	"	7	"
10	5	9	73.1	"	"	4-5	9°-0	1/4	30.59	71	67	65	67	"	"	8	"
11	5	9	79.0	"	"	4-5	8°-0	1/4	30.59	68	66	64	66	"	"	7	"
Mid.	6	0	85.0	"	"	4-5	8°-0	1/4	30.59	67	66	64	65	"	Cu	4	"
																	"

4—365

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, January 5th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Fair to clear & pleasant. Moon rose at 17:15. Bright moonlight most of watch. Gentle to stiff S.S.E. by breeze. Barometer about steady. On course under same sail as in previous watch. Ship heeled from 7° to 10° to port. Pitching slightly.

O. Chrispin
Ensign U.S.N.

4 to 8 am. Cloudy, passing showers at 6:30. Ships pitching and rolling from 6° to 10°. At 6:00 set main topmast staysail. Crossed for topgallant yard at 7:10. Got main topgallant yard ready for crossing. At end of watch, on course. Ex S. Pat. log 97.5, under fore & main topsail, foresail, jib, fore & main topmast staysails, and main trysail.

F. M. Bennett. Ensign. U.S.N.

8 am to meridian. Cloudy, with light passing squalls of rain and wind. Stiff to fresh S. & W.ly breezes. Rolling from 7° to 9°. Barometer falling. At 8:00 crossed main topgallant yard. At 8:30 took in main topmast staysail for squall, setting it again at 9:10. At 8:50 set fore and main top gallant sails. At 9:30 mustered at quarters for inspection. After which held sail drill. furled to topgallant sails, hauled down main topmast staysail, reefing topsails and courses, fitted preventer braces and then unbent them and sent them below. At 11:00 put clock ahead 16 minutes. By order of Commdg. Officer released from confinement. G. J. Baker, app 3d cl. At end of watch on course. Ex S, log 179; under jib, fore topmast staysail, double reefed main and fore topsail, foresail and main trysail.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 pm.
Fair and pleasant. Gentle to stiff breezes from S. to S.S.W. Barometer rising. At 12:45 p.m. took out one reef in topsails and set topgallant sails and main topmast staysail. Took in the latter on squall at 3:30. On course. Ex S. Guest hours, and end of watch, and full and by, remainder of watch. Maximum rolls 8°.

J. Downey
Lieut. U.S.N.

4 to 6 p.m. Cloudy to fair and pleasant. Gentle breezes from S. x E. to S.S.W. Barometer rising slowly. At 5 passed several patches of gulf weed. At 5:15 mustered at quarters, after which the chaplain held prayers. At 5:35 took in and furled top gallant sails. Close hauled on starboard tack until 5:55, when we were able to hold our course. Maximum heel to port, 10° and to starboard, 2°. At end of watch under single reefed topsails, fore sail, main trysail, fore topmast staysail and jib.

O. Chrispin
Ensign, U.S.N.

6 to 8 p.m.
Clear and pleasant weather. Moderate to fresh breezes from S. & W. Rolling from 8° to 10°; at end of watch, on course, Ex S. under single reefed fore and main topsails, foresail, jib, fore topmast staysail and main trysail. Pat. log 63.7.

F. M. Bennett, Ensign, U.S.N.

8 p.m. to mid night.
Cloudy and pleasant. Moderate to stiff S.S.W.ly breezes. Rolling from 8° to 10°. At end of watch under single reefed topsails, jib, fore topmast staysail, and main trysail. On course E x S., Pat. log 87.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lt. & Navigator.

4-625

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk Va. to Trinidad B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Force of Clouds, by Sky, in 10ths.	State of the Sea.
							P. S.										
A. M.	4	7	91.7	E x S.	S S W.	4-5	9°-0	1/4	30.55	69	66	65	65	bep	Cu N.	7	S
1	6	4	98.1	"	"	4	9°-0	1/4	30.58	69	66	65	65	be	"	8	"
2	5	5	3.6	"	"	3-4	10°0	1/4	30.56	70	66	65	65	"	S Cu	4	"
3	6	3	9.9	"	"	4	9°-0	1/4	30.56	70	66	65	66	"	Ci S	6	"
4	4	8	14.1	"	"	3-4	9°-0	1/4	30.56	70	67	65	66	"	"	3	"
5	5	1	19.2	"	"	3-4	9°-0	1/4	30.58	71	67	66	66	"	"	4	"
6	4	1	23.3	"	"	3-5	9°-0	3/4	30.58	70	67	66	66	"	"	4	"
7	4	3	27.6	E x S.	South	3	10°-0	3/4	30.58	70	68	67	67	"	"	3	"
8	5	8	33.4	"	[illegible]	3	10°-0	3/4	30.56	70	68	67	67	"	"	4	"
9	6	9	40.3	"	"	4	7°-0	3/4	30.55	68	69	67	67	bep	Cu N.	2	N.
10	7	1	47.4	E x S	"	5	10°-0	3/4	30.52	71	69	67	67	be	"	3	"
11	6	5	53.9	"	"	5	12°-0	3/4	30.50	71	70	67	68	"	Cu	3	"
Noon.																	

Position at 8 A. M.: Latitude by D R — 34 ° 53 · 0 " N. Temp of Mag. 6564
Longitude by Obs. O — 68 ° 52 · 0 " W. Temp aft. 6564
35 ° 2 · 0 " N. 65.63
67 ° 34 · 0 " W.

Position at noon: Latitude by observation
Longitude by observation
Latitude by D. R. — 34 ° 55 · 24 " N.
Longitude by D. R. — 67 ° 56 · 0 " W.

Course made good since preceding noon: N. 86 E.

Distance made good since preceding noon: 130 miles.

Distance by Log since preceding noon: 137.6 miles.

Current per hour: 3/10 miles, set N. 130° E. true.

Position at 8 P. M.: Latitude by D.R. — 35 ° 0 · 30 " N.
Longitude by Obs. — 66 ° 54 · " W.

Variation of compass:

Error of compass observed at 8:30. Shipes Head E/x S. (azimuth 0) — 4° 20' Wly

Deviation of compass ~~on~~ at " " " " " — 3° 40' Wly Variation used 8° Wly.

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, tons, 800 lbs.

Coal remaining on hand at noon, 117 " 260 "

P. M.							P. S.										
1	7	4	66.0	E/x S.	South	5	12°-5°	1/4	30.48	70	70	69	68	b.e.	Ci Cu	5	N
2	6	7	68.0	E x S.	S S W.	4-5	9°-2°	1/4	30.46	70	70	68	67	"	"	6	"
3	6	3	74.3	"	"	4-5	9°-2°	1/4	30.48	70	69	68	67	"	"	5	"
4	5	7	80-0	"	"	4-5	8°-2°	1/4	30.47	68	68	67	67	"	"	5	"
5	5	3	85.3	"	"	4-5	9°-2°	1/4	30.47	71	68	67	67	"	St.	5	"
6	4	7	90.0	"	"	4-5	9°-2°	1/4	30.46	71	68	67	67	"	"	5	"
7	5	0		"	S W x S.	4-5	10°-2°	1/4	30.47	71	68	67	67	"	"	8	"
8	5	1	95-1	"	"	4-5	15°-3°	1/4	30.47	71	68	67	67	"	"	9	"
9	5	1		"	S S W.	5-6	15°-3°	1/4	30.47	71	68	67	67	"	"	7	"
10	5	6	96.9	"	"	5-6	13°-2°	1/4	30.46	72	68	67	67	"	"	6	"
11	5	6	102.5	East	"	5-6	16°-4°	1/4	30.45	70	68	67	67	"	"	7	"
Mid.	6	7	8.7	"	"	5-6	23°-5°	1/4	30.46	70	68	67	67	"	"	5	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, January 6th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am. Clear to fair and very pleasant. Passing rain squalls. First hour. Gentle to stiff breeze from S. S. W. Ship under jib, fore topmast staysail. Fore and main trysail and single reefed fore and main topsails. On course E x S during watch. Deepest roll, 6°

T. F. Drury
Lieut USN

4 to 8 am. Clear and pleasant. Gentle to stiff breeze from S. S. W. to S. Barometer steady. At 6:45 set fore and main topgallant sails and main topmast staysail. Patent log was hauled in for 10 minutes between 6 and 7 and for 5 minutes between 7 and 8. Sailing on course E x S. until 7 when the wind began to head the ship off. At end of watch sailing on the wind under fore sail, fore and main topgallant sails, fore and main topsails, fore and main topmast staysail, jib, and main trysail. Passed several small patches of gulfweed. Max. roll, 15° Port.

Wm Swift
Ensign USN

8 am to meridian. Fair & pleasant weather. Gentle to stiff breeze from South. At 8:00 o'clock reef out of topsails, set main topmast staysail, got off main yard & mast cover. At 9:30 went to quarters for inspection. Had fire quarters, and at 10:35 secured. At 10:40 stationed crews for "Abandon Ship." Log hauled at 11:10. Set mainsail up and ready for bending. Took in main topmast staysail and furled it. The Commanding Officer awarded the following punishments. T. S. Plate, for using abusive language to Bag room Keeper, and insolence to Lt. M. C. 24 hours extra duty. End of watch as course. E/H.S. Pat. log. 53.9 Under topsails, topgallant sails, jib, fore topmast staysail, fore sail and main trysail. Maximum lee roll. 12°. Passed quantities of Gulfweed during watch. Set clock ahead 10 minutes.

F. M. Bennett
Ensign U.S.N.

meridian to 4 p.m. Fair & pleasant. Moderate to stiff S by E and S. S. W by W breezes. Barometer falling slightly. At 12:30 bent mainsail. At 1:00 wind hauled to westward, and then ship kept on course. E x S. At 1:10 took in and furled fore and main topgallant sails. At 1:50 set mainsail. At 2:00 took in main trysail. Deepest roll, 17°. End of watch, under fore and main topsails courses, jib, and fore topmast staysail, on course E x S. Log 80. Magazine & Shell room flood cocks tested and found to be in good working order.

Ralph Earle
Ensign U.S.N.

4 to 6 p.m. Fair and pleasant. Moderate breeze & sea, from S. S. W. At 5:00 took two single reefs in topsail, took in mainsail, and set main trysail. On course E x S during watch. Deepest roll, 16°.

T. F. Drury
Lieut USN

6 to 8 p.m. Fair and pleasant. Moderate to stiff breeze from S. W. by S. Barometer steady. Wind & sea same as in previous watch. Worst jib which was stowed at 7:50. Deepest roll 15° to leeward and 3° to windward. Hauled in patent log at 7:05 for five minutes, to clear it of weed.

Wm Swift
Ensign, U.S.N.

8 pm to midnight. Light flying scud. Stiff to fresh breezes from S. S. W. At 10:00 changed course to East (Pc) Found patent log fouled by gulfweed. Average here 10°. Maximum lee roll, 23°. At end of watch, on course, East Pat. Log. 87. Under reefed fore and main topsails, fore sail, fore topmast staysail and main trysail.

F. M. Bennett, Ensign, U.S.N.

Examined and found to be correct.

E. F. Leupp,
Lt.
Navigator.

4-85

LOG of the UNITED STATES Training Ship Essex **Rate,**

Mating passage from Norfolk Va. to Trinidad, B. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.							S. P.									
1	6	3	15.0	East	S.S.W.	5	15°45	1/2	30.50	70	68	67	67	b.c.	A.cul.	5	M
2	6	0	21.5	"	"	5	20°5	1/2	30.50	70	68	67	67	"	"	9	"
3	6	4	27.9	"	"	5-6	20°5	1/2	30.50	70	67	66	67	"	S.W.	4	"
4	6	7	34.6	"	"	5-6	18°5	1/2	30.50	70	67	66	67	"	"	3	"
5	5	8	40.8	"	"	5	20°3°	3/4	30.47	67	67	66	67	"	S.cu.	6	R
6	6	6	47.4	"	"	5	20°3°	3/4	30.47	69	67	66	67	"	S	6	"
7	6	4	53.8	"	"	6-7	20°3°	3/4	30.47	69	67	66	66	"	C.cu	3	"
8	6	7	60.5	"	"	6-7	20°7°	3/4	30.47	69	68	67	67	"	"	3	"
9	6	3	66.8	"	S.W.	5-6	20°7°	3/4	30.51	70	70	69	67	"	"	3	"
10	5	9	72.7	"	"	4-5	20°7°	3/4	30.51	70	70	69	67	"	"	4	"
11	6	1	78.8	Ex S.	"	5	20°7°	3/4	30.47	69	71	69	67	"	C.U	3	"
Noon.	5	0	83.8	"	"	5	18°45	3/4	30.49	71	71	69	67	"	C.N	7	M

Position at 8 A. M.: Latitude by D.R. 35° 11' 36" N. Temp. Mag.
Longitude by Observation 64° 59' 0" W. Tm Aft.

Position at noon: Latitude by observation 35° 17' 30" N. 65.63 66.64
Longitude by observation 64° 37' 0" W.
Latitude by D. R. 35° 13' 42" N.
Longitude by D. R. 65° 7' 0" W.

Course made good since preceding noon: N. 86 E.

Distance made good since preceding noon: 162 miles.

Distance by Log since preceding noon: 142.9 miles.

Current per hour: 1 miles, set S. 89 E. true.

Position at 8 P. M.: Latitude by D.R. 35° 10' 30" N.
Longitude by Observation 64° ' " W

Variation of compass:

Error of compass observed at 8:30 am by azimuth & ships head East 4° 29' wly.

Deviation of compass on at " " " " " 5° 31' ely var. used 10° wly.

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 116 " 2050 "

P. M.							P. S.									
1	6	3	90.1	E x S.	S.W.	5	15°50	1/2	30.46	69	71	69	67	b.c.	ci	7	M
2	6	1	96.2	E.S.E.	"	5	20°5°	1/2	30.46	69	69	68	67	"	ci.	5	"
3	5	7	1.9	"	"	5	27°12	1/2	30.48	69	69	68	67	"	"	6	"
4	5	4	7.3	"	S.W x S.	5	23°10	1/2	30.48	70	69	67	67	"	"	5	"
5	6	5	13.8	"	"	5	20°10	1/2	30.47	71	69	67	67	"	"	3	"
6	6	7	20.5	"	"	5-6	18°10	1/2	30.48	69	69	67	67	"	"	2	"
7	7	0	27.5	"	"	6	23°5	1/2	30.49	70	69	67	67	"	S.	5	"
8	7	0	34.5	"	S.W.	6	20°5	1/2	30.50	73	69	67	67	"	"	8	"
9	7	0	35.5	"	"	6	23°5	1/2	30.50	70	70	67	67	"	"	8	"
10	8	0	43.5	"	"	4-5	18°5°	1/2	30.50	70	70	67	67	"	"	8	"
11	6	0	49.5	"		4-6	20°10	1/2	30.49	70	69	67	67	"	"	8	"
Mid.	7	0	55.0	"		4-6	20°10	1/2	30.49	70	69	66	67	"	"	8	"

4—865

under the command of Frank Courtis , U. S. Navy,

Saturday January 7th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and pulls 4 a.m. Cloudy & pleasant. Stiff to fresh easterly breeze. Barometer steady. Mon rose at 2:17. Maximum roll 20° at end of watch under foretopmast staysail double reefed topsails, foresail & maintrysail. On course East (P.S.) log 34.6

Ralph Earle,
Ensign USN.

4 to 8 a.m. Clear and pleasant. Stiff to fresh breeze from S.S.W. Rough sea. Ship rolling and pitching easily. Under double reefed topsails, foretopmast staysail foresail & maintrysail. On course. East. during watch. Greatest roll 23° to port.

F. Towers
Lieut. U.S.N.

8 a.m. to meridian. Fair & pleasant. Stiff S.W.ly breeze. Barometer steady. Scrubbing decks and paint work during watch. Ship rolling easily, at times heavily, from 4° to 12° to windward, and from 10° to 25° to leeward. Under same sail as in previous notes. By order of the Commdg.

Punishments. January 7. 1899. 8 A.M. to Meridian

Kirk, G. J. App. 3cl. } Neglect of duty.
Pollard, H. " " } 2 hours extra duty

Metz, N. App. 3cl. } Late at hammocks.
Powers, J.P. " " } To be called 1/2 hrs.
Pingle, O. " " } before all hand.
Kennedy, G. " "
Robinson, J. Messman
Queen, T. " "

Bernard, M.E. App. 3cl. } Creating a disturbance and spitting
Ashmead, D. " " } on ladders & paint work on gun deck Aft mid watch
Dinsmore, L.A. " " } 8 hours extra duty.
Jones, K.E. " "

Roach, B.H. app 3cl. Asleep on Bridge watch at 8:15 p.m.
14 Hours extra duty

W. Friedell
Ensign USN

Mc Loughlin, D. App 3cl 3 days
& using filthy language.
erate sea.

Ensign, U.S.N.

and S.W. & S. Ship pitching, at
reading @ 26.85
. E.S.E. Bar. log 7.3. Ship
y sail. Passed patches of

with Ensign, U.S.N.
se. Barometer rising.
he reefed fore and main top-

Ralph Earle,
Ensign. U.S.N.

S.E. during watch, under

F. Towers
Lieut. U.S.N.

8 p.m. to mid night. Fair and pleasant. Damp. Moderate to fresh S.W. breeze. Barometer steady. On course E.S.E under same sail as in previous watch. Moderate sea. Rolling moderate, at times heavily from 5° to 10° to starboard, to 10° to 20° to port. Hauled the patent log at 9 to clear it of weed, and also at 11.45.

W. Friedell
Ensign U.S.N.

Examined and found to be correct.

E. F. Leffler,
Lt. Navigator.

4—880

under the command of Frank Courtis, U. S. Navy,

Saturday January 7th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and pulls 4 a.m. Cloudy & pleasant. Stiff to fresh easterly breezes. Barometer steady. Morning at 2:17. Maximum roll, 20° At end of watch under foretopmast staysail, double reefed topsails, foresail & main trysail. On course East (p.c.) Log 34.6

Ralph Earle,
Ensign U.S.N.

4 to 8 a.m. Clear and pleasant. Stiff to fresh breeze from S.S.W. Rough sea. Ship rolling and pitching easily. Under double reefed topsails, foretopmast staysail, foresail & main trysail. On course East during watch. Greatest roll, 23° to port.

J. Towers
Lieut. U.S.N.

8 a.m. to meridian. Fair & pleasant. Stiff S.W. by W. breeze. Barometer steady. Scrubbing decks and paint work during watch. Ship rolling easily, at times heavily, from 4° to 12° to windward, and from 10° to 25° to leeward. Passed numerous small patches of gulfweed. At 10:00 changed course to E. by S. (p.c.) Under same sail as in previous watch. Maximum temperature of magazine 66°. At 11 o'clock, ahead 12 minutes. By order of the Commdg. Officer, the following punishments were executed and the men expired. Campbell, A.F. Disp. 3d. 3 days D.F. and B.W. for leaving ship and refusing to turn out when ordered by M.A.A. McLaughlin, D. Disp. 3d 3 days solitary confinement, on bread & water for being absent from M.A. while on duty, and using filthy language. The Commander assigns the following punishments (see appended list). Moderate sea.

Frank Courtis, U.S.N.

meridian to 4 p.m. Clear and pleasant weather. Stiff breezes from S.W. and S.W. by S. Ship rolling, at times heavily. Maximum roll, 27° Held sale of deserters effects, realizing $ 26.85 At 1 changed course to E.S.E. Pat log 90.1 At end of watch, on course E.S.E. Pat log 73. Ship under double reefed topsails, foretopmast staysail, foresail and main trysail. Passed patches of gulfweed during watch.

J.M. Bennett Ensign, U.S.N.

4 to 6 p.m. Cloudy and pleasant. Stiff to fresh S.W. by S. breeze. Barometer rising. Maximum roll, 20°. At end of watch under foretopmast staysail, double reefed fore and main topsails, fore sail and main try sail. On course E.S.E. (p.c.) log 205.

Ralph Earle,
Ensign U.S.N.

6 to 8 p.m. Clear and pleasant. Fresh breeze from S.W. On course E. by S. E. during watch, under same sail as during preceding watch. Maximum roll, 20°.

J. Towers
Lieut. U.S.N.

8 p.m. to midnight. Fair and pleasant. Damp. Moderate to fresh S.W. breeze. Barometer steady. On course E. by S. E. under same sail as in previous watch. Moderate sea. Rolling moderate, at times heavily from 5° to 10° to starboard, to 10° to 20° to port. Hauled patent log at 9 to clear it of weed, and also at 11:45.

Frank Courtis
Ensign U.S.N.

Examined and found to be correct.

E. F. Leper,
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making Passage from Norfolk, Va. to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.							P. S.										
1	5	2	60.2	E. by E.	S.W.	4-5	15° 8°	1/2	30.50	70	69	68	67	b.c.	cu.n	4	M
2	2	8	63.2	E.	N. by E.	1-3	10° 10°	0	30.51	68	65	64	67	b.c.g.r.	"	1	"
3	3	8	67.0	"	N.N.E.	3-5	8° 12°	1/4	30.52	67	64	63	67	o.c.g.d.	N.	0	"
4	4	1	71.1	"	"	4-5	8° 12°	1/4	30.53	65	63	63	67	o.g.r.	"	0	"
5	6	0	77.1	"	"	5	7° 11°	0	30.53	67	61	61	65	o.r.	"	0	"
6	5	9	83.0	"	"	5	5° 12°	0	30.55	67	61	61	65	o.c.p.	S.N.	0	"
7	5	7	88.7	"	"	5	5° 12°	0	30.55	67	61	61	65	"	"	0	"
8	5	1	93.8	"	"	5	5° 12°	0	30.56	67	61	61	65	"	"	0	"
9	6	0	99.8	"	"	5	5° 12°	1	30.59	61	60	59	65	"	"	0	"
10	7	7	107.5	"	"	4	5° 10°	1	30.60	63	60	59	66	o.c.m.	"	0	"
11	6	0	113.5	"	"	4	4° 8°	1	30.58	62	60	59	67	"	"	0	"
Noon.	6	0	119.5	"	"	4	4° 10°	1	30.56	62	60	59	67	"	"	0	"

Position at 8 A. M.: Latitude by D.R. 31 ° 38' 0 " N. Temp. Mag.
Longitude by D.R. 62 ° 17' 0 " W. Fore 67 67

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. 34 ° 21' 24 " N.
Longitude by D. R. 61 ° 52' 0 " W.

Course made good since preceding noon: S. 69 E.

Distance made good since preceding noon: D.R. 143 miles.

Distance by Log since preceding noon: 143 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by D.R. 33 ° 48' 24 " N.
Longitude by D.R. 61 ° 15' 0 " W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 116 " 1160 "

P. M.							P. S.										
1	7	4	26.9	S.E.	N.N.E.	4-5	5° 25°	1	30.56	62	60	59	67	o.c.m.	mm	0	M
2	7	1	34.0	"	N.E. by N.	5	6° 21°	1	30.56	62	60	59	67	"	"	0	"
3	6	5	40.5	"	"	4-5	5° 25°	1	30.59	64	62	61	67	o.c.p.	"	0	"
4	6	0	46.5	"	N.E.	3-5	5° 20°	1	30.59	64	62	61	67	"	"	0	"
5	4	8	51.3	"	N.E. by E.	3-4	4° 15°	1	30.59	65	62	60	68	"	"	0	"
6	5	0	56.3	"	"	3-4	4° 11°	1	30.57	66	62	60	68	"	"	0	"
7	4	5	56.4	"	"	3	4° 1°	1	30.57	67	63	61	68	"	"	0	"
8	4	5	60.5	"	"	3	4° 1°	1	30.58	67	63	61	68	"	"	0	"
9	4	7	65.2	"	N.E.	4	4° 4°	1	30.62	67	63	61	68	o.c.s.	"	0	"
10	4	5	67.7	S.E. by S.	N.E. by E.	3-4	4° 10°	1	30.62	67	63	60	68	oc	"	0	"
11	4	3	72.0	"	"	3-4	3° 10°	1	30.62	69	63	60	68	"	"	0	"
Mid.	3	8	75.8	"	"	3-4	4° 8°	1	30.62	69	63	60	68	"	"	0	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, January 8th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and part'd 4 am. Partly cloudy first hour. Moderate to stiff breezes. At 1:00 breeze died out, and shifted to N. x E. Heavy rain squall. Rainy and squally remainder of watch. Braced yards around and set course S. E. Bar. log 622 Took in main trysail. At end of watch course S.E. Bar. log 71.1 Under double reefed topsails foresail, and fore topmast staysail. Mak. roll 15°

F.W.M. Bennett Ensign, U.S.N.

4 am to 8 am. Overcast, cloudy and raining. Stiff N.N.E. by breezes. Barometer rising. At 7:00 o'clock Lowered out of topsails. At 7:50 set fore and main topgallant sails and main trysail. Maximum leeward roll 12° At end of watch under single reefed topsails, fore topmast staysail, fore and main topgallantsails, foresail and main trysail On course S.E. Log 93.8

Ralph Earle,
Ensign, U.S.N.

8 am to meridian. Overcast and misty, with occasional light rain. Moderate to stiff breeze from N.N.E. On Course S.E during watch. At 8:30 set jib and mainsail and took in main trysail. At 9:30 went to quarters for inspection. The Commdg Officer awarded the following punishments. F.C. Bosch. app. 3d 60 hrs. extra duty, for being habitually dirty. M.R. Scott. appel. 3 days solitary confinement on bread and water, for skulking and stowing himself away when his watch was on deck Enforced the latter in accordance with punishment awarded. Released P.M. Raffi, Ldg. at 10. his term of confinement having expired. Maximum roll 10° Hauled in pat. log for 2 minutes at 10: o'clock to clear it of weed

J. F. Dewey
Lieut. U.S.N.

meridian to 4 pm. Overcast and rainy most of watch. Gentle to stiff breeze from N.N.E to E. Barometer high and steady. At 2:30 set main topmast staysail. Hauled it down again at 3:40. At 3:00 braced yards sharp up to hold course. Took in and furled topgallant sails at 12:45. At end of watch under courses, single reefed topsails fore topmast staysail and jib. Passed through numerous patches of gulfweed. Ship rolling easily at times deeply from 5° to windward to 25° to leeward

Ralph Earle
Ensign, U.S.N.

4 to 6 pm. Overcast, cloudy, passing showers. Light airs to gentle breezes from N.E by E. Passed patches of gulfweed. At end of watch on course S.E. Bar. log 56.3. Ship under single reefed fore and main topsails. Fore sail. mainsail, jib and fore topmast staysail. Mak lee roll 15°

F.W.M. Bennett Ensign U.S.N.

6 to 8 pm. Overcast and cloudy, with light rain. Gentle N.E. x E by E breezes. Maximum roll 11° to leeward. At 6.50 log was hauled in until 7:10 to clear it of sea weed. At end of watch under jib, fore topmast staysail, single reefed topsails, and courses On course S.E. (true) Log 60.5

Ralph Earle.
Ensign U.S.N.

8 pm to midnight. Overcast with drizzling rain first part. Gentle to moderate breezes from N.E. and N.E x E. Standing full and by under same sail as in previous watch. At 10 hauled out log to clear it of sea weed. At 10:30 set main topmast staysail. Maximum roll 12°

J. F. Dewey
Lieutenant, U.S.N.

Examined and found to be correct.

E. F. Leiper, Lt
Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk Va. to Trinidad. B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	0	78.8	S.S.E. 3/4 E.	N.E. x E.	3-2	4°.5°	1	30.62	69	63	61	68	cc	m.	0	m
2	3	7	82.5	"	"	2-4	4°.7°	1	30.59	68	60	59	68	"	"	0	"
3	3	8	86.3	"	E.N.E.	2-4	4°.7°	1	30.59	67	59	59	68	"	"	0	"
4	4	2	90.9	S 1/2 E	E x N.	2-4	7°.10°	1	30.58	66	58	58	68	"	"	0	"
5	5	0	95.9	S x E	E x S.	2	7°.9°	3/4	30.49	67	59	59	67	"	ci. st	0	"
6	5	0	98.6	S 1/2 E	"	2	6°.9°	3/4	30.51	68	66	65	67	"	"	0	"
7	5	2	3.8	"	"	2	6°.8°	3/4	30.58	68	65	65	67	o.c.x	N	1	S.
7.44 8	5	0	8.8	S 1/4 E	East	2	8°.10°	3/4	30.57	70	66	66	67	o.c.	"	2	"
9	4	2.	13.0	"	"	2	8°.10°	3/4	3058	70	67	67	67	b.c	ci.n	3	"
10	2	6	15.6	S.S.W.	S.E.	1-2	8°.10°	3/4	30.58	70	67	67	67	"	"	3	"
11		7	15.8	"	"	1-2	8°.8°	3/4	30.58	70	68	67	67	"	"	3	"
Noon.		7		"	"	1-2	9°.9°	3/4	30.58	70	69	69	67	"	"	3	"

Position at 8 A. M.: Latitude by D.R. 33 ° 00 ' 0 " N. — Longitude by D.R. 60 ° 50 ' 0 " W.

Temp of Mag. Dew 66.64 Air 67.67.

Position at noon: Latitude by observation 32 ° 59 ' 0 " N. — Longitude by observation 61 ° 01 ' 0 " W. — Latitude by D. R. 32 ° 53 ' 0 " N — Longitude by D. R. 60 ° 49 ' 0 " W.

Course made good since preceding noon: S. 28° East.

Distance made good since preceding noon: 93 miles.

Distance by Log since preceding noon: 105.2 miles.

Current per hour: 5.2 miles, set N. 68° W. true.

Position at 8 P. M.: Latitude by Obs. 33 ° 3 ' 0 " N. — Longitude by Obs. 60 ° 46 ' 0 " W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 116 " 1150 "

P. M.							p S									
1		7	15.8	S.W. 1/2 S.	S.E.	1-2	10°.10°	1	30.50	70	70	69	67	b.c	ci.n	4	S
2		7		E x S.	"	1-2	12°.12°	1	30.50	70	70	69	67	"	"	4	"
3		7	16.	"	W.S.W.	1	14°.9°	0	30.50	70	71	70	66	"	"	4	"
4	0	0	16.1	"	S.S.W.	1	8°.8°	1	30.50	70	69	69	66	"	"	4	"
5	1	0.	17.1	"	"	1	8°.8°	1/2	30.53	70	68	69	66	"	"	5	"
6	1	3	18.5	"	"	1	8°.8°	1/2	30.53	70	69	69	66	"	"	5	"
7	1	6	20.1	"	"	1-2	8°.8°	1/2	30.54	70	67	66	66	"	"	8	"
8	1	0	22.1	"	"	1-2	10°.10°	1/2	30.55	70	67	66	66	"	"	8	"
9	2	5	24.2	"	"	2	8°.8°	1/2	30.50	71	68	68	66	"	ci.	9	"
10	2	6	26.6	"	"	2	9°.6°	1/2	30.50	71	68	68	66	"	"	9	"
11	3	2	29.8	"	"	2-3	8°.5°	1/2	30.48	71	68	68	66	"	"	9	"
Mid.	3	3	32.7	"	"	2-3	8°.4°	1/2	30.47	71	68	68	66	"	"	9	"

under the command of Commander Frank C. Courtes, U. S. Navy,

Monday, January 9, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ended 4 a.m.
Overcast and rainy. Light breeze with moderate puffs from N E x E to E x N. Barometer falling slightly. Under same sail as in previous watch. Max roll, 15° to leeward. Hauled in pat. log at 2:45 to [illegible] at 3:45

Ensign, U.S.N.

4 to 8 a.m.
Cloudy, raining third hour. Light breeze from Ely S. to East. Barometer rising. Shook out reef in topsails, and set topgallant sails at 5:30. Hauled in pat. log at 5:50, found it fouled by gulf weed. Maximum lee roll, 10°. At end of watch under fore and main topsails, foresail, mainsail, fore and main topgallant sail, jib, and fore and main topmast staysails. Pat. log, 0.8

K. McBennitt, Ensign, U.S.N.

8 a.m. to meridian.
Fair and pleasant. Light airs and breezes from East and S.E. Barometer steady. Maximum lee roll, 10°. At 9:30 went to quarters for inspection, followed by divisional routine drills. At 10:30 took in main sail and set main try sail. Steering by the wind. At 12:00 hauled in pat. log to clear it of sea weed. At 9 changed course to S.S.W. At end of watch under all plain sail to topgallant sails, except main sail, main try sail, main and fore topmast staysails. On course S.S.W. log, 15.6 Maximum temperature of engine rooms, 67.6

Ralph Earle
Ensign, U.S.N.

meridian to 4 p.m.
Generally fair, with light rain squalls 3d hour. Fine light and baffling. At 1 took in all sail except jib, fore topmast staysail, and topsails. Now ship lying hove to on course at E x S. at 1:45 Set topgallant sails and fore sail. Greatest roll, 15°

J. T. Downey
Lieut. U.S.N.

4 to 6 p.m.
Clear and pleasant. Light S.S.W. by airs. Barometer steady. On course with just steerage way, under same sail as in previous watch. At 5:15 mustered at quarters, after which the Chaplain held prayers. Rolling about 6° each way. Passed numerous small patches of gulf weed.

Ensign, U.S.N.

6 to 8 p.m.
Clear pleasant weather. Bright star light. Light airs and breezes from S.S.W. Max lee roll, 10°. At end of watch, ship on course E x S. Pat. log [illegible]. Under topgallant sails, topsails, fore sail, jib, and fore topmast staysail. Passed small patches gulf weed.

K. McBennitt, Ensign, U.S.N.

8 p.m. to midnight
Clear and pleasant. Light to gentle S.S.W. by breezes. Barometer falling. Maximum roll, 9°. At end of watch under all plain sail to the gallant sails, save the main sail, and with addition of fore topmast staysail. On course, E x S. log 32.7

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. T. Leiper,
Lt. [illegible] Navigator.

4—98

LOG of the UNITED STATES Ship Essex **Rate,**

Making passage from Norfolk, Va. to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.							°										
1	3	1	35.7	E x S.	S.S.W.	2-3	8° 8°	1/2	30.47	72	68	68	66	b.	mon	10	S
2	2	9	38.6	"	"	2	8° 8°	1/2	30.47	72	67	66	66	"	"	10	"
3	4	1	42.8	"	"	3	8° 8°	1/2	30.47	70	67	66	66	"	"	10	"
4	4	5	47.3	"	"	3	8° 8°	1/2	30.48	70	67	66	66	"	"	10	"
5	4	5	51.6	"	"	3	8° 8°	1/2	30.47	71	67	66	68	"	"	10	"
6	4	4	56.0	"	"	3	9° 6°	1/2	30.45	71	68	67	68	b. c.	o.	9	"
7	5	0	61.0	"	"	1-2	8° 5°	1/2	30.42	71	68	68	68	"	"	7	"
8	5	5	65.5	"	S.W.	3	8° 5°	1/2	30.42	71	69	68	68	"	"	7	"
9	5	2	70.7	"	"	3-4	7° 6°	1/2	30.45	69	70	68	69	"	cu.	8	"
10	6	1	76.8	"	"	4	8° 6°	1/2	30.43	68	71	69	69	"	ci cu	7	"
11	7	1	83.9	"	"	4	5° 5°	1/2	30.44	68	71	69	69	"	"	6	"
Noon.	5	5	89.4	"	"	4	8° 5°	1/4	30.44	68	71	69	69	"	"	6	"

752

Position at 8 A. M. { Latitude by Meridian altitude of Venus at 9 a.m. 33 ° 07 ' " N. Temp. of Mag. Water
Longitude by Obs. 0 59 ° 36 ' " W. For Aft. 68.67

Position at noon: { Latitude by observation 33 ° 07 ' " N 67.65
Longitude by observation 59 ° 05 ' " W
Latitude by D. R. 33 ° 03 ' " N
Longitude by D. R. 59 ° 31 ' " W.

Course made good since preceding noon: N. 85 E.

Distance made good since preceding noon: 98 miles.

Distance by Log since preceding noon: 76 miles.

Current per hour: 1 miles, set N. 50 E. true.

Position at 8 P. M. { Latitude by Obs 33 ° 0' " N
Longitude by Obs. 58 ° 3' " W

Variation of compass:

Error of compass observed at 9 am by Azimuth ⊙ ships head. E. 6° 47' W'ly

Deviation of compass on ~~2~~ " " " " 5° 13' E'ly var. used 12° wly

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 460 lbs.

Coal remaining on hand at noon, 116 " 700 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																	
1	3/3	2/3	92.6 / 95.9	E x S. / E.S.E. 1/2 E.	S.W.	4	9° 2°	1/4	30.39	71	70	69	69	b. c.	cu.	3	S
2	6	6	2.5	"	"	4	9° 4°	1/4	30.39	71	70	69	69	"	"	3	"
3	6	2	8.7	"	"	4	9° 4°	1/4	30.38	71	70	69	68	"	"	3	"
4	6	4	14.3	"	"	4	9° 4°	1/4	30.38	71	70	69	69	b. c. h.	"	3	"
5	6	5	20.8	"	W. S.W.	4	7° 3°	1/4	30.36	71	69	68	68	b. c.	cu. r	5	"
6	6	1	26.9	"	"	4	7° 4°	1/4	30.37	72	69	68	68	"	"	7	"
7	6	2	33.1	"	"	4	9° 5°	1/4	30.37	73	69	68	68	"	cu.	8	"
8	6	1	39.2	"	"	4	8° 5°	1/4	30.36	74	69	68	68	"	"	8	"
9	6	1	43.3	"	W. x S.	4	5° 3°	0	30.37	74	69	68	68	"	"	8	"
10	5	7	51.0	"	"	4	8° 3°	0	30.37	74	69	68	68	"	"	8	"
11	5	8	56.8	"	"	4	4° 2°	0	30.35	74	69	67	68	"	"	8	"
Mid.	5	9	62.7	"	"	4	4° 2°	0	30.32	73	69	67	68	"	"	8	"

under the command of Commander Frank Curtis, , U. S. Navy,

Tuesday. January 10th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Clear and pleasant. Light to gentle breeze from S.S.W. On course E x S. under jib, foresail, topsail and topgallantsail. Maximum roll 8°.

F. Irwin
Lieut. U.S.N.

4 to 8 am.
Clear and very pleasant. Light to gentle breeze from S.S.W and S.W. Barometer falling slowly. Moon rose at 5:30 At 7 o'clock furled bedding. At 5:30 all main sail & main topmast staysail. Rolling easily 2° to 5° towards to 10° to leeward.

W. Chew Burr
Ensign, U.S.N.

8am to meridian
Clear pleasant weather. Gentle to moderate breezes from S.W. At 9:30 mustered at quarters. No absentees. Exercised division at routine drills. By direction of Comdg Officer, released S. J. Campbell, App. 3cl. and J. D. McLaughlin, app. 3cl. their term of confinement having expired. Rolling easily, maximum roll 8°. At 11:30 put clock ahead 10 minutes. At end of watch under all plain sail to topgallant sails, and main topmast staysail. On course E x S. Bar. beg. 29.6

W. M. Bennett, Ensign U.S.N.

Meridian to 4 pm.
Generally fair and pleasant. Passing showers of rain last hour. Moderate S.W. by W breezes. Barometer fell slightly. Maximum roll 9°. At 12:30 changed course to E.S.E ½ E. (p.c) log. 92.6. At 1:00 piped down and bedding. At 1:30 hooked on and furled mainsail, and put on yard cover. At 1:50 hauled down fore topmast staysail. At 2 commenced distilling. At 3:50 hauled down main topmast staysail. At end of watch under all plain sail to topgallant sails except mainsail and spanker. On course E.S.E ½ E. Log 14.3. Raised smoke stack.

Ralph Earle,
Ensign U.S.N.

4 to 6 p.m. Clear and pleasant. Moderate breeze from W.S.W. On course E.S.E ½ E during watch, under jib, foresail, topsails and topgallantsails. Distilling. Maximum roll 7°.

F. Irwin
Lieut. U.S.N.

6 to 8 pm.
Clear and pleasant. Moderate W.S.W by breeze. Under jib, foresail, topsails and topgallant sails. Course, E.S.E ½ E (p.c) Distilling.

C. W. Fahs
Lieut. U.S.N.

8 pm to midnight.
Fair and pleasant. Moderate N x E by breeze. Barometer falling slowly. Ship rolling easily. Maximum roll 8°. Under same sail as in previous watch. Distilling. On course E.S.E ½ E during watch.

W. Chew Burr
Ensign U.S.N.

Examined and found to be correct.

E. J. Leiper,
Lt. Navigator.

4-986

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk Va. to Trinidad. B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.							P. S.										
1	5	4	68.1	E.S.E. 1/2 S.	West	4	5° 5°	0	30.32	70	68	67	68	b.c.p.	Cu.N.	5	S
2	5	7	73.8	"	W x N.	4	12° 12°	0	30.30	69	68	67	68	"	"	3	"
3	4	2	78.0	"	"	3-4	15° 15°	0	30.29	69	68	67	68	"	"	9	"
4	3	8	81.8	"	N.W. x W.	3-2	15° 15°	0	30.27	69	67	66	68	"	"	4	"
5	3	5	85.3	"	"	2	14° 15°	0	30.26	69	67	66	68	b.c	S.Cu.	4	"
6	3	8	89.1	"	N.W.	2	10° 15	0	30.26	69	66	65	68	"	"	6	"
7	2	4	91.5	"	"	2	14° 15°	0	30.26	69	67	66	68	"	"	5	"
8	1	8	91.8	"	"	2	8° 10°	0	30.26	71	69	66	68	"	"	5	"
9	3	0	94.8	"	N.N.E.	3	5° 8°	0	30.26	71	67	66	68	"	Cu.N.	3	"
10	4	3	99.1	"	"	3	2° 12°	0	30.26	71	67	66	68	"	"	2	"
11	5	1	4.2	"	"	3	2° 10°	0	30.20	66	69	68	68	o.c.p.	"	0	"
Noon.	3	4	7.6	"	"	3	2° 10°	0	30.20	65	69	68	68	o.c.	"	0	"

8.54

Position at 8 A. M.: Latitude by alt. of Venus about 9.20 — 37° 48' 0" N. — Temp. of Mag. 67.65
Longitude by obs of ☉ — 56° 59' 0" W. — Temp. of Air. 68.68

Position at noon: Latitude by observation ☉ — 32° 47' 0" N.
Longitude by observation ☉ — 56° 40' 0" W.
Latitude by D. R. — 32° 48' " N.
Longitude by D. R. — 56° 42' " W.

Course made good since preceding noon: S. 81 E.

Distance made good since preceding noon: 173 miles.

Distance by Log since preceding noon: 1205 miles.

Current per hour: 1 knot miles, set S. 59 E. true.

Position at 8 P. M.: Latitude by D.R. — 32° 28' 0" N.
Longitude by D.R. — 55° 45' 0" W.

Variation of compass:

Error of compass observed at 9.15 am by azimuth Ships head E.S.E. 1/2 E. 9° 48' Variation used 14° 30' W.

Deviation of compass on " " " " " " 4° 42'

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 500 "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, 1 tons, 1510 lbs.

Coal remaining on hand at noon, 114 " 1430 "

P. M.																	
1	3	4	11.3	S.E. x E.	North	4	2°-6°	0	30.17	67	69	68	68	b.c.	Cu.N.	7	S
2	4	7	16.0	"	"	3	2°-8°	0	30.15	67	68	67	67	"	"	7	"
3	6	5	22.5	"	"	4	4°-10°	0	30.15	67	68	67	67	o.c.p.	"	0	"
4	8	5	30.5	"	"	5	5°-15°	0	30.16	67	68	67	67	o.c.p.	"	0	"
5	8	8	39.3	"	N.N.E.	7	8°-16°	0	30.16	67	68	67	67	"	"	0	"
6	6	5	45.8	"	"	4-7	10°-10°	0	30.19	67	64	62	69	"	"	0	"
7	5	9	51.7	"	N x E.	4-6	8°-15°	0	30.19	67	61	59	67	"	"	8	M.
8	5	0	56.7	"	"	3-4	8°-11°	0	30.20	65	59	57	68	"	"	0	"
9	4	3	61.0	E x S.	"	3	10°-25°	1/4	30.25	65	50	50	67	c.c/o	"	0	"
10	4	8	65.8	"	"	3-4	10°-25°	1/4	30.25	65	50	50	67	"	"	0	"
11	6	4	69.9	"	"	4-5	10°-20°	3/4	30.25	65	50	50	67	b.c	"	3	"
Mid.	5	5	75.4	"	"	4-5	15°-25°	3/4	30.25	65	50	50	67	"	"	6	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, January 11, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 a.m.
Partly cloudy, passing showers. Moderate breezes from West, shifting and moderating to light breezes from N.W. x W. At end of watch, on course E.S.E.¼E. Pat log. 81.8. Ship under fore & main topgallant sail, topsails, foresail and jib.

4 to 8 a.m. N.M. Bennitt, Ensign U.S.N.
Generally cloudy and pleasant. Gentle to light N.W. x W. by W. shifting to N.W. by W. breezes. Barometer steady. Max. roll, 15°. Distilling. At end of watch, on course E.S.E.¼E. Pat log. 91.8 under same sail as in previous watch.

Ralph Earle, Ensign U.S.N.

8 a.m. to meridian.
Generally cloudy. At 8:10, wind shifted to N.N.E. Hoisted fore and main topmast staysail and 2d main try sail. Standing on course E.S.E.¼E during watch. At 9.45 went to quarters for inspection and divisional officers over hauled boys bags 1st 2d period. Relieved M.S. Scott, App'd El. Electrician 2d Class, Enlistment having expired. At 11 a.m. clocks ahead 10 minutes. Max. roll 13°. Distilling.

T. Perry, Lieutenant U.S.N.

Meridian to 4 p.m.
Cloudy to overcast. Rainy last two hours. Light breezes from North, freshening to fresh topgallant breeze at latter end. At 12:30 changed course to E.S.E. (p.c.) under jib, fore topmast staysail, fore and main topgallant sail, main topsail, topsails and topgallant sails. At 3 took in main topmast staysail. At 3:45 took in and furled topgallant sail. Distilling.

C. M. Fahs, Asst. Surg. U.S.N.

4 to 6 p.m. Overcast and rainy. Equally. Stiff breeze with fresh squalls from N. x E. to N.N.E. Barometer rising. At 5, called all hands reef topsails. Took single reef in topsails, and one reef in foresail. Then hauled down and stowed jib and main try sail. Ship rolling easily, at times deeply. Max. minimum roll, 16° to starboard. On course at end of watch, under double reefed topsails, single reefed foresail, and fore topmast staysail.

Ralph Earle, Ensign U.S.N.

6 to 8 p.m.
Overcast, cloudy, raining in squalls. Fresh squalls from N. x E., moderating to gentle breezes. Under double reefed topsails, single reefed foresail, fore topmast staysail and main try sail. At end of watch on course, S.E. x E. Pat log. 54.5. Log was foiled last half hour.

8 p.m. to midnight. N. M. Bennitt, Ensign U.S.N.
Overcast with light rain first part, followed by clearing weather last part. Gentle N. x E. by E. breezes increasing to moderate & stiff N. x E. by E. breezes. Barometer steady. Max. roll, 25°. At 8:30 changed course to E. x S. (p.c.) Log 56.7. At 8:50 o'clock reef out of foresail. At 9:30 set jib and main topmast staysail. At 10:15 took in main topmast staysail. At 9:50 hauled in pat log to clear it of gulf weed. Distilling. At end of watch, under jib, fore topmast staysail, double reefed topsails, foresail and main try sail. On course E. x S. log 70.4.

Ralph Earle, Ensign U.S.N.

Examined and found to be correct.

E. F. Leeper, Lt. Navigator.

4—695

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk Va to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Leeway	Drawing.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	State of Lake or Sea
A. M.							Leeway	Port P. S.								
1	5	5	74.5	E x S.	N. x W	4	0	12°17°	30.19	64	60	59	67	b.c.q	cu	7	M.
2	6	0	77.0	"	"	4-5	0	12°17°	30.19	64	60	59	67	"	"	6	"
3	6	4	83.7	"	"	4-5	0	12°17°	30.19	64	60	59	67	"	"	3	"
4	6	5	89.7	"	"	4-5	0	12°17°	30.19	64	60	59	68	"	"	3	"
5	5	4	95.1	E.S.E.	"	4-6	0	12°20°	30.18	64	60	57	67	b.c.p.q	cu	5	"
6	6	6	1.7	"	"	4-6	0	12°22°	30.20	63	59	57	66	b.c.q	S.cu	5	"
7	6	2	7.9	"	"	5	0	10°25°	30.22	63	60	56	66	b.c.p	cu.s	5	"
8	6	1	14.0	"	"	4	0	10°23°	30.23	66	59	56	66	b.c	"	3	"
9	4 / 1	5 / 0	18.5 / 19.5	S E x E / S.E	"	4	0	18°22°	30.29	66	59	56	66	"	"	5	R
10	6	6	26.1	"	N.W	5	0	16°25°	30.38	64	60	57	66	"	"	6	"
11	6	2	32.3	"	"	5	0	16°27°	30.38	64	61	60	67	"	"	6	"
Noon.	5	1	37.7	"	"	5	0	20°27	30.38	66	67	61	63	"	"	7	"

Position at 8 A. M.: Latitude by D.R. 32 ° 20 ' 0 " N. Temp. of Mag. 67.66
Longitude by Obs.o 54 ° 16 ' 24 " W. Fore 68.67 Aft.

Position at noon:
Latitude by observation 31 ° 59 ' 0 " N.
Longitude by observation 53 ° 57 ' 24 " W.
Latitude by D. R. 32 ° 5 ' 18 " N.
Longitude by D. R. 54 ° 2 ' 0 " W.

Course made good since preceding noon: S. 71° E.

Distance made good since preceding noon: 151 miles.

Distance by Log since preceding noon: 142.6 miles.

Current per hour: miles, set true.

Position at 8 P. M.:
Latitude by Obs. 31 ° 37 ' 0 " N.
Longitude by Obs. 53 ° 21 ' 0 " W.

Variation of compass:

Error of compass observed at 9:30 a.m. by azimuth, Ships head S.E. 14° 00 W'ly

Deviation of compass on " " " " " 1° 00 E'ly variation West 15° 00

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 1800 "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 1 tons, 1660 lbs.

Coal remaining on hand at noon, 112 " 2010 "

P. M.							P. S.										
1	5	0	42.2	S.E.	N.W.	3-4	25°30°	0	30.28	66	61	59	64	b.c.p.	cu.s.	6	B
2	6	7	48.4	"	"	4	25°30°	0	30.30	65	61	59	64	b.c.	"	6	"
3	6	2	54.6	"	N.N.W.	4	25°30°	0	30.28	65	62	59	64	"	"	6	"
4	5	9	59.5	"	"	3-5	20°25°	0	30.28	65	61	58	64	"	"	4	"
5	4	5	63.5	"	N.W.	3-4	25°26°	0	30.28	65	60	58	64	"	S.cu	7	"
6	4	5	67.9	"	"	3	20°30°	0	30.26	65	60	58	64	"	"	7	"
7	4	5	71.0	"	"	3	20°27	0	30.20	65	60	58	64	"	"	7	"
8	4	0	74.6	"	"	3	20°25°	0	30.30	65	60	58	64	"	"	7	"
9	4	5	77.7	"	"	3	20°21°	0	30.34	68	60	58	64	b.c.p	Cu.ns	6	"
10	5	2	82.4	"	"	4	20°20°	0	30.39	68	60	59	64	"	"	8	"
11	5	0	87.4	"	"	3-4	20°20°	0	30.37	68	60	59	64	"	"	6	"
Mid.	5	0	92.4	"	"	3-4	20°20°	0	30.37	67	60	59	64	"	"	5	"

under the command of Commander Frank C. Curtis, U. S. Navy,

Thursday, January 12, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am

Generally clear, moderate breeze from N x W blowing fresh in occasional squalls. Ship rolling uncomfortable, to moderate sea from N. On course E x S. during watch, under full fore topmast staysail forsail double reefed fore & main topsails and main trysail. Max lee roll 25° At 4 changed course to E.S.E. Hauled in log at 12:30 1:30 and 3:50 to clear the seaward

J. M. Bennett
Ensign U.S.N.

4 to 8 am.

Cloudy and cool. Moderate to fresh breeze from N x W. Ship rolling deeply to quartering sea. At 5.45 o'clock out reefs in the topsails, and after this was done, set topgallant sails. Course E.S.E (p.s) Sighted a steamer on the starboard quarter, hull down, bound to the S.W and E.S.E. Ship under jib, forsail, main trysail, topsails & topgallant sails at end of watch. At 8:00 changed course to S.E. x E. (per s.c)

C. M. Fahs
Lieut U.S.N.

8 am to meridian

Cloudy to fair & pleasant. Moderate to stiff breeze from N x W to N.W. Barometer rising. At 8:15 took in main try sail and at 9 took in jib and set fore topmast staysail. At 9:30 mustered at quarters. Log following sunset. Ship rolling deeply (Max roll, 25° to port, 28° to starboard). At 8:50 changed course to S.E. (p.o.c) Passed numerous small patches of gulfweed. At end of watch on course under topsails topgallant sails fore sail and fore topmast staysail. Steamer in sight on starboard beam throughout watch.

J. M. Bennett
Ensign U.S.N.

Meridian to 4 pm.

Partly cloudy. Passing showers first hour. Gentle to fresh breeze from N.W. & N. N.W. Exercised divisions of apprentices at handling sail. Max im um lee roll, 30° Ship under fore topmast staysail, topsails, topgallant sails & forsail. Log was hauled by seaward during part of last hour. At end of watch on course, S.E. par log. 59.5

J. M. Bennett Ensign U.S.N.

4 to 6 p.m.

Fair & pleasant. Gentle to moderate N.N.W. ly breeze. Barometer rising. Maximum roll 30° At 5.15 went to quarters. Hauled fast log in at 5 to clear it of seaweed. At end of watch on course. S.E. (p.s) log 67.9, under same sail as in previous watch

Ralph Earle,
Ensign U.S.N.

6 to 8 p.m.

Clear and pleasant. Gentle breeze from N.W. On course S.E. under same sail as in previous watch Maximum roll 25°

J. M. Bennett
Lieut U.S.N.

8 to 12 midnight.

Generally fair. Slight occasional passing rains. Moderate & gentle breezes from N.W. Course S.E. (p.o.c) under fore topmast staysail, forsail, topsails and topgallant sails. Ship rolling deeply at times

C. M. Fahs
Lieut U.S.N.

Examined and found to be correct.

E. F. Lucas,
Lt & Navigator.

4—383

LOG of the UNITED STATES Training Ship Essex Rate,

Making Passage from Norfolk, Va. to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.							P. S.									
1	3	9	963	S.E.	N.W.	2-4	10°25	0	30.25	65	60	64	b.c.p.	cu.str.	7	R
2	5	1	1.4	"	"	2-4	10°25	0	30.25	65	60	64	"	"	6	"
3	5	0	6.4	"	"	2-4	12°25°	0	30.25	65	60	64	"	"	6	"
4	5	0	10.4	"	"	2-4	10°20°	0	30.26	63	60	64	"	"	6	"
5	5	9	16.3	"	"	3-4	10°18°	0	30.24	63	62	60	67	"	5	"
6	5	9	22.2	"	"	3	8°16°	0	30.24	63	61	59	68	b.c.	S.cu.	5	"
7	5	8	28.0	"	"	4	12°21°	0	30.28	65	62	60	68	"	ci cu	6	"
8	5	7	33.7	"	"	4	13°21°	0	30.32	65	62	62	68	"	"	6	"
9	5	3	39.0	"	N.N.W.	4	12°18°	0	30.30	65	63	61	69	"	cu.str.	4	"
10	5	5	44.5	"	"	4	11°17°	0	30.30	67	64	62	69	b.c.p.	ci cu	6	"
11	5	7	50.2	"	"	4	11°17°	0	30.30	67	64	63	69	"	"	7	"
Noon.	6	0	56.2	"	"	4	11°20°	0	30.30	70	65	63	69	b.c.	"	5	"

Position at 8 A. M.: Latitude by D. R. 31 ° 4 ' 0 " N. Temp. of Mag. Aft.
Longitude by Obs. 52 ° 11 ' 0 " W. Fore 68.65 67.47

Position at noon: Latitude by observation 30 ° 46 ' 0 " N.
Longitude by observation 51 ° 55 ' 0 " W.
Latitude by D. R. 30 ° 53 ' 0 " N.
Longitude by D. R. 51 ° 47 ' 0 " W.

Course made good since preceding noon: S. 52° E.

Distance made good since preceding noon: 124 miles.

Distance by Log since preceding noon: 124.3 miles.

Current per hour: 4 tenths miles, set S 45° W. true.

Position at 8 P. M.: Latitude by D. R. 30 ° 15 ' 24 " N.
Longitude by Obs. 51 ° 1 ' 42 " W.

Variation of compass: used, 11° 40' W'ly.

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 1660 lbs.

Coal remaining on hand at noon, 111 " 850 "

P. M.							P. S.									
1	6	4	67.6	S.E.	N.N.W.	5	12°23°	0	30.29	66	66	63	69	b.c.	Cu.	7	R
2	6	8	69.4	"	N.W.	4	10°18°	0	30.28	66	66	63	69	"	"	6	"
3	6	1	75.5	"	"	4	11°18°	0	30.29	68	69	67	70	"	"	6	"
4	6	7	81.2	"	"	4-5	11°18°	0	30.30	70	69	68	70	"	"	6	"
5	6	8	89.0	"	N.N.W.	4-5	15°20°	0	30.30	65	64	63	70	b.c.p.	Cu.str	5	"
6	6	6	96.6	"	"	5	15°20°	0	30.36	68	64	63	69	"	"	7	"
7	7	2	3.8	S.E. x S.	N.W.	4-6	15°20°	0	30.37	69	64	62	69	"	"	5	"
8	4 2	0 0	7 8 98	S.S.E.	N.N.E.	3-4	13°16°	0	30.37	69	64	62	69	b.c.p.	"	3	"
9	5	9	16.7	"	N.E.	4-6	8°12°	0	30.37	69	64	62	69	"	"	1	"
10	6	0	21.7	"	"	4-6	5°12°	0	30.37	69	64	62	69	"	Cu	0	"
11	6	3	30.0	"	N.E. x N.	4-6	5°N°	0	30.37	69	64	61	69	"	"	0	"
Mid.	6	8	86.8	"	"	3-4	12°16°	0	30.38	68	64	62	69	"	Cu	0	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, Jan. 13, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Fair to cloudy, with passing rain showers. Light to moderate N. Wly breeze. Barometer steady. At 3:30 hauled in astern log to clear it. At 3:30 sighted a light on N.W. quarter. On course & at end of watch, under same sail as in previous watch. Rolling heavily at times, maximum roll 27°

A. Fleet Rice
Ensign, U.S.N.

4 to 8 am.
Cloudy, passing showers first hour. Gentle to moderate breezes from N.W. Barometer rising slowly. Rolling at intervals, max. roll, 21°. At end of watch, on course S.E. per log 33.7, under topsails, topgallant sails, forsail, fore topmast staysail

J. M. Bennett
Ensign U.S.N.

8 am to meridian.
Fair and pleasant. Light passing showers of rain. Moderate N.N.W'ly breeze, barometer steady. Max. roll 20° At 9.30 mustered at quarters, after which drilled at fire quarters and abandon ship. Commanding Officer assigned the following punishments. P.E. Lynch, app. 3cl, disobedience of orders, and deliberately turning in his hammock, during his watch on deck, 5 days solitary confinement on bread and water. C.A. Hornby, app. 3cl, sneering and hissing at master at arms when passing an order. Two watches extra duty. By order of the Commdg Officer enforced P.E. Burel, App. 3cl, for 5 days solitary on bread and water, for disobedience of orders, in not lashing and stowing his hammock and turning in below while watch was on deck. Tested magazine flood cocks and found them in good condition. At 11.30 AM clocks ahead 8 minutes. At end of watch under same sail as in previous watch, on course S.E. (p.c.) Log 56.2

Joseph Earle,
Ensign, U.S.N.

meridian to 4 pm.
Clear and very pleasant. Moderate to stiff breeze from N.W. Ship rolling deeply, to long following sea. On course S.E. during watch, and under same sail as in previous watch. Stopped distilling at 2:30 and allowed fires to die out. Drilled boys of watch in making up and furling sail. Max. roll 28°

F. T. Arms
Asst. U.S.N.

4 to 6 pm.
Fair and pleasant. Slight rain squalls passing at times. Moderate to fresh breeze from N.N.W. under fore topmast staysail, topsails, forsail and topgallant sails. Ship rolling deeply at times to quartering swells. At 6 o'clock changed course from S.E. (p.c.) to S.E. x S. (p.c.).

C. W. Fahs
Asst. U.S.N.

6 to 8 p.m.
Fair to overcast, rainy last half hour. Barometer steady. Moderate to fresh breeze from N. to N.N.E. At 8:30 changed course to S.S.E. (p.c.) and took in topgallant sails. Ship rolling heavily at times. Maximum 20° At end of watch on course S.S.E. under topsails, forsail, and fore topmast staysail.

A. Fleet Rice
Ensign, U.S.N.

8 pm to midnight
Cloudy, squally. Gentle to moderate breezes from N.E. and N.E. x E. with fresh squalls at intervals. Rolling easily, maximum roll 16°. At end of watch on course S.S.E. per log 36.8. Ship under topsails, forsail and fore topmast staysail.

J. M. Bennett, Ensign U.S.N.

Examined and found to be correct.

F. F. Leiper
Lt., Navigator.

LOG of the UNITED STATES Training Ship Essex, **Rate,**

Making passage from Norfolk Va. to Trinadad. B.A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	State of the Sea.
A. M.							P. S.										
1	7	7	442	S.S.E.	N.N.E-N.E.	5	8°18'	0	30.39	65	63	60	69	b.c.	cum	5	R
2	6	5	51.0	"	"	4-5	10°20'	0	30.39	65	63	60	69	"	"	6	"
3	6	7	57.7	"	"	4-5	10°20'	0	30.39	65	63	60	69	"	"	6	"
4	6	8	64.5	"	"	4-5	10°20'	0	30.39	65	64	60	70	b.c.p.	"	5	"
5	6	8	71.3	"	N.N.E.	4-5	10°20'	0	30.40	65	63	60	69	b.c.	S.	7	"
6	6	8	78.1	"	"	4-5	10°22'	0	30.41	64	63	62	71	"	"	8	"
7	6	7	84.8	S.x.W. 4W.	"	5	12°24'	0	30.43	65	64	62	71	"	"	6	"
8	6	9	91.7	"	"	5	10°20'	0	30.44	66	64	60	71	"	cu	7	"
8.31 9	6	9	98.6	"	"	5	9°18'	0	30.62	66	66	62	71	"	"	8	"
10	5	5	4.1	"	"	4-5	15°20'	0	30.64	66	66	62	71	"	"	6	"
11	6	5	10.6	"	"	4-5	15°20'	0	30.67	66	66	62	71	"	"	6	"
Noon.	5	8	16.4	"	"	4-5	15°25'	0	30.68	66	66	62	71	"	"	5	"

Position at 8 A. M. { Latitude by Obs. 29 ° 09' 0 " N. Temp of Mag.
Longitude by Obs. 50 ° 11' 0 " W. For Corr.

Position at noon: { Latitude by observation 28 ° 45' 0 " N. 68.65 68.66
Longitude by observation 50 ° 10' 0 " W.
Latitude by D. R. 28 ° 44' 0 " N.
Longitude by D. R. 50 ° 14' 0 " W.

Course made good since preceding noon: S.5E E.

Distance made good since preceding noon: 154 miles.

Distance by Log since preceding noon: 157 miles.

Current per hour: 1½ knots miles, set S.7½ E. true.

Position at 8 P. M. { Latitude by D.R. 27 ° 52' 0 " N.
Longitude by Obs. 50 ° 9' 30 " W.

Variation of compass: 8½ a.m. by Azimuth 0 ship's head S.x.W. ½ W. 18° 47' W.
Error of compass observed at 4.19 p.m. " " " " " " 17° 48' " vari used. 14°40' W.
8.44 a.m. " " " " " " 0° 7' "
Deviation of compass on 4.14 p.m. " " " " " " 3° 38' " " " 14°00' "

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 250 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, tons, 825 lbs.

Coal remaining on hand at noon, 110 " 1765 "

P. M.							P. S.										
1	6	1	77.8	S.x.W. ½ W.	N.N.E.	4-5	15°25'	0	30.68	67	66	64	71	b.c.	cu.	5	R
2	6	4	28.9	"	"	4-5	15°20'	0	30.68	67	67	67	71	"	"	5	"
3	6	9	35.8	"	"	4-5	15°25'	0	30.58	67	67	66	71	"	cu.s.	3	"
4	5	7	41.5	"	"	3-5	15°28'	0	30.47	67	67	66	71	"	"	3	"
5	6	5	48.0	"	N.E.x.E.	3-5	16°18'	0	30.47	67	69	66	71	"	"	3	"
6	7	3	55.3	"	N.E.	4	16°17'	0	30.47	67	69	67	71	"	"	3	"
7	6	4	61.7	"	E.N.E.	4	16°16'	0	30.48	67	69	67	71	"	"	3	"
8	5	3	67.0	"	"	3-4	16°16'	0	30.51	67	69	67	71	b.c.p.	"	4	"
9	5	6	72.6	S.x.W.	"	3-4	15°16'	0	30.49	67	67	67	71	b.c.	"	4	"
10	6	4	79.0	"	"	3-4	10°16'	0	30.49	68	66	65	72	"	"	6	"
11	6	3	85.3	"	"	3-4	15°15'	0	30.49	68	65	63	72	"	"	6	"
Mid.	6	0	91.6	"	"	3-4	16°16'	0	30.49	68	65	63	72	"	"	4	"

under the command of Commander Frank Courtis, , U. S. Navy,

Saturday, January 14th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Generally fair and pleasant with passing rain squalls last hour. Moderate to stiff N.N.E.ly and N.E.ly breezes. Barometer steady. Max. roll 20°. At end of watch under topsails, foresail and main topmast staysail on course S.S.E. (p.c) log 64.6

Ralph Earle, Ensign U.S.N.

4 to 8 a.m.
Clear and pleasant. Moderate to stiff breeze from N.N.E. Ship rolling deeply to long following seas. Barometer rising slowly. At 6 pat log reading 78.1 changed course to S. x W. 1/4 W. and set foresail and main topgallant sails. At 6.10 sighted steamer 2 points on starboard bow standing to the westward. Max. roll, 26°.

T. F. Lowry, Lieut. U.S.N.

8 A.M. to meridian.
Fair and pleasant. Moderate to stiff N.N.E. breeze. Ship rolling deeply and frequently. Under foretopmast staysail, foresail, topsails and topgallant sails. Course S. x W. 1/4 W. (P.c.) The commander awarded the following punishments. W. E. Bowers, app. 3cl. Shirking, being below when his watch was on deck. 16 hrs extra duty. F. J. Childs, app. 3cl. same offence. 8 hrs extra duty. C. H. Allan, app. 3cl. same offence. 16 hrs extra duty. M. Sullivan, app. 3cl. 16 hours extra duty. A. Talbot, app. 3cl. shirking. 8 hrs extra duty. T. A. Owens, messtt. Committing a nuisance on gun deck, and insolence, 3 days solitary confinement on bread and water, and he was so confined.

C. M. Fahs, Lieut. U.S.N.

meridian to 4 p.m.
Fair to cloudy. Gentle to stiff N.N.E.ly breeze. Barometer steady. Light falling rain showers occasionally. At 2 sighted a sail on the port quarter. Ship rolling heavily at times. Max. roll 26°. On course at end of watch under same sail as in previous watch.

J. Hunter Bell, Ensign U.S.N.

4 to 6 p.m.
Fair pleasant weather. Gentle to stiff breezes from N.E. x E. and N.E. At dusk sighted a light bearing E.S.E. At end of watch on course S. x W. 1/4 W. pat log 56.0. under topsails, foresail, topgallant sails and fore topmast staysail. Passed numerous patches of sea weed. Ship rolling heavily at times. Max. roll, 18°.

F. M. Bennett, Ensign U.S.N.

6 to 8 p.m.
Fair and pleasant, rain squalls last hour. Moderate to gentle E.N.E.ly breezes. Barometer rising. Max. roll 16°. At 7.20, set jib and main trysail. At end of watch under jib, foretopmast staysail, foresail, topsails, topgallant sails and main trysail on course S. x W. 1/4 W. (P.c.) log 67.0.

Ralph Earle, Ensign U.S.N.

8 p.m. to midnight
Fair to clear. Wind very pleasant. Gentle to moderate breezes from E.N.E. At 8 changed course to S. x W. Under same sail as on previous watch. Max. roll, 16°.

T. F. Lowry, Lieut. U.S.N.

Examined and found to be correct.

P. F. Lapp, Lt. Navigator.

4-220

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk, Va. to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.							P. S.										
1	6	0	92.6	S. x W.	E.N.E.	3·5	5° 8°	0	30.49	67	65	65	69	b.c	cu	6	S.
2	6	1	98.7	"	"	3·5	5° 8°	0	30.49	68	65	65	69	"	"	6	"
3	6	5	104.7	"	"	3·5	5° 8°	0	30.49	68	65	65	69	"	"	6	"
4	6	5	121.7	"	"	3·5	5° 8°	0	30.49	68	66	66	70	"	"	7	"
5	6	6	19.3	"	"	3·4	2° 10°	1/4	30.47	70	66	66	70	b.c.h.q.	cu.ni.	6	M.
6	5	0	24.3	"	E. x N.	3·4	2° 10°	1/4	30.48	71	65	62	72	b.c	s.cu.	7	"
7	6	0	30.3	"	"	3·5	3° 15°	1/2	30.48	66	64	62	71	"	cu	7	"
8	7	8	38.1	"	East	4·5	3° 15°	1/2	30.48	66	65	69	71	"	"	8	"
9	7	5	45.6	"	"	4·5	3° 15°	1/2	30.54	69	67	65	71	"	"	8	R
10	8	4	54.0	"	"	5	4° 15°	1/2	30.54	69	67	65	71	"	"	8	"
11	7	9	61.9	"	"	4·5	4° 15°	1/2	30.53	69	67	65	72	"	"	6	"
Noon.	6	4	67.0	"	"	4	5° 15°	1/2	30.50	69	67	65	72	"	"	5	"

Position at 8 A. M.: Latitude by D.R. 26° 39' 30" N. Temp of Magazines
Longitude by Obs. 50° 4' 30" W. Fore Aft.

Position at noon: Latitude by observation 26° 00' 00" N. 68.66 68.67
Longitude by observation 50° 01' 00" W.
Latitude by D. R. 26° 7' 24" N.
Longitude by D. R. 49° 53' 42" W.

Course made good since preceding noon: S. 3 E.

Distance made good since preceding noon: 163 miles.

Distance by Log since preceding noon: 153.6 miles.

Current per hour: 4 6-10ths miles, set S 41° W. true.

Position at 8 P. M.: Latitude by D.R. 25° 9' 24" N.
Longitude by Obs. 50° 2' 30" W.

Variation of compass:

Error of compass observed at 8.09 am by 002 sliphead S. x W. 17° 35' W.

Deviation of compass on " " " " " 4° 35' " Var. used 13° 00' W.

Water expended during the preceding 24 hours, 400 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 110 " 151.5 "

P. M.							P. S.										
1	6	0	77.7	S. x W.	East	4	5° 20°	1/4	30.50	69	67	65	72	b.c.	cu.	5	S.
2	6	9	79.7	"	"	4	5° 20°	1/4	30.48	69	67	65	72	b.c.h.	"	6	"
3	6	0	85.7	"	"	4	4° 20°	1/4	30.48	69	70	65	72	b.c.	cu.ni.	4	"
4	6	6	92.3	"	"	4	3° 20°	1/4	30.47	69	69	65	72	"	"	3	"
5	7	0	99.3	"	"	4	3° 20°	1/4	30.47	69	69	65	73	"	"	4	"
6	6	4	5.7	"	"	4	5° 20°	1/4	30.48	69	69	65	73	"	"	5	"
7	6	0	11.7	"	"	4	5° 16°	1/4	30.48	69	69	65	73	"	"	6	"
8	5	8	17.1	"	"	4	5° 15°	1/4	30.48	69	69	65	73	"	"	7	"
9	6	4	23.8	"	"	4	5° 14°	1/4	30.47	71	70	66	73	b.c.p.	"	4	"
10	6	1	29.6	"	E.S.E.	4	5° 15°	1/4	30.44	71	70	66	73	b.c.	"	2	"
11	6	7	36.3	"	East	4	5° 15°	1/4	30.43	72	70	66	72	"	"	6	"
Mid.	5	5	41.6	"	E.N.E.	3·5	5° 14°	1/4	30.43	71	70	66	72	b.c.h	"	1	"

under the command of Commander Frant Courtis, U. S. Navy,

Sunday, January 15, 1899, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Fair & pleasant. Gentle to stiff breeze from E. & E. under fore & main staysail, jib, fore sail main try sail, topsails and topgallant sails. Course. S x W. (p.s.c).

C. M. Fahs
Lieut. U.S.N.

4 to 8 am.
Fair & clear, beautiful weather. Gentle to stiff breeze from E. & E. to E. Barometer steady. At 5 took in & furled topgallant sails & at 6:45 set them again. Also let main topmast staysail. Passed through large patches of gulf weed. Ship heeled about 20°. On course at end of watch under topgallant sails, topsails, main try sail, fore and main topmast staysails and jib.

J. F. Luce
Ensign. U.S.N.

8 am to meridian.
Clear and pleasant. Moderate to stiff breeze from East. At 8.00 sighted steamer bound to the westward. Made our number and asked to be reported. At 8.30 took in main try sail and set main sail. At 9.25 mustered crew at quarters. Afterwards, Commdg. Officer inspected the ship. Chaplain held divine services. The Commdg. Officer assigned the following Junk mate at the mast. O. Pring Ck. app 3 cl. taking another boys hammock to sleep in, 8 hrs extra duty. Passed large masses of gulf weed. Log fouled from interval between 11 am and meridian. At end of watch on course. S x W. Bar. log 6.7. under all plain sail to topgallant sails and fore main topmast staysails

M. McDermitt, Ensign, U.S.N.

meridian to 4 p.m.
Fair & pleasant. Moderate & ly breezes. Barometer falling. Mast roll 20°. Chaplain held divine services. At end of watch under same sail as in previous watch. on course. S x W. log 9.3.

Ralph Earle,
Ensign U.S.N.

4 to 6 p.m.
Fair & pleasant. Moderate to gentle breeze from E. Standing on course S x W. during watch. under same sail as in previous watch. At 5 45 went to quarters for muster, followed by prayers. Mast roll 20°.

T. T. Long
Lieut. U.S.N.

6 to 8 p.m.
Fair to cloudy, moderate breeze from E. Course. S x W. (p.s.c) under same sail as previous watch.

C. M. Fahs
Lieut. U.S.N.

8 pm to midnight.
Fair to cloudy. Rigged to stiff breeze from E.S.E. to E.N.E. Barometer falling slowly. At 8.15 took in main & topmast staysail, and at 11 took in topgallant sails. At end of watch on course S x W. under topsail, courses, fore & mast staysail and jib. Ship heeled about 10°. Log 98.

J. F. Luce
Ensign U.S.N.

Examined and found to be correct.

J. F. Luce
Lieut. Navigator.

4—365

LOG of the UNITED STATES *Training Ship Essex* **Rate,**

Making passage from Norfolk, Va. to Trinidad, B. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.							P. S.										
1	8	8	46.5	S x W.	E x N	3-4	5°10°	1/4	30.42	71	70	66	72	b.c.	cu.n.	3	L
2	4	5	51.0	"	"	3-4	6°10°	1/4	30.42	71	70	66	72	"	"	4	"
3	4	5	55.5	"	"	3-4	5°8°	1/4	30.41	71	69	65	72	"	"	4	"
4	3	4	56.7	"	"	3-4	4°9°	1/4	30.40	71	69	65	73	"	"	1	"
5	4	6	61.5	"	"	3	3°7°	1/4	30.40	72	69	65	73	"	a.c.u.	6	"
6	5	3	66.8	"	"	3	3°7°	1/4	30.40	72	69	65	73	"	"	4	"
7	5	0	71.8	"	"	3	3°7°	1/4	30.41	72	69	65	74	"	"	4	"
8:30 8	4	3	76.1	"	"	3	3°7°	1/4	30.42	72	69	67	74	"	"	4	"
9	5	3	81.4	"	"	3-4	3°8°	—	30.43	70	72	67	74	b.c.p.	cu.s.	5	M
10	5	9	87.3	"	E.N.E.	4	6°10°	—	30.45	71	73	67	74	b.c.	"	6	"
11	6	0	93.3	"	"	4	6°10°	—	30.45	71	73	67	74	"	"	6	"
Noon.	6	0	96.6	"	"	4	6°10°	—	30.45	71	73	67	74	"	"	6	"

Position at 8 A. M.: Latitude by D.R. 24 ° 7 ' 48 " N. Temp of Magazines

Longitude by Obs. 49 ° 59 ' 30 " W. Fore 68.7 Aft 68.8

Position at noon: Latitude by observation 23 ° 34 ' 30 " N.

Longitude by observation 50 ° 3 ' 30 " W.

Latitude by D. R. 23 ° 46 ' 30 " N.

Longitude by D. R. 49 ° 48 ' 0 " W

Course made good since preceding noon: S. 1° W.

Distance made good since preceding noon: 145 miles.

Distance by Log since preceding noon: 135 miles.

Current per hour: 7 4/10 tenths miles, set S 49° W. true.

Position at 8 P. M.: Latitude by 22 ° 47 ' 0 " N.

Longitude by 8:15 50 ° 4 ' 0 " W.

Variation of compass:

Error of compass observed at 8:15 am by azimuth & ships head S x W. 14° 45' Wly var. used 11° 30' Wly

Error of compass observed at 4:12 pm " " " " " " 14° 50' " var used 11° 00' "

Deviation of compass on 8:16 am. " " " " " " 3° 15' " " " 11° 30' "

Deviation of compass on 4:12 " " " " " " 3° 50' " " " 11° 00' "

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, —— "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 110 " 865 "

P. M.							P. S.										
1	4	8	1.4	S x W.	E.N.E.	4	6°10°	—	30.40	71	72	68	74	b.c.	cu.	5	M.
2	5	7	7.1	"	"	3-4	6°10°	—	30.36	71	72	68	73	"	"	6	"
3	5	5	12.6	"	"	3-4	6°12°	0	30.40	71	72	68	73	"	"	4	"
4	5	8	18.4	"	"	3-4	5°12°	0	30.40	71	72	69	74	"	"	5	"
5	6	2	24.6	"	"	4	8°14°	0	30.39	72	73	68	73	"	"	6	"
6	6	4	31.0	"	N.E.	4	5°10°	0	30.39	73	72	68	73	b.c.p.	cu.s.	5	"
7	6	6	37.6	"	"	4	5°12°	0	30.41	73	72	68	73	"	"	6	"
8	6	0	43.6	"	"	3-4	5°10°	0	30.39	73	72	68	73	b.c.	"	7	"
9	5	0	48.6	"	E.N.E.	4	5°10°	0	30.39	73	71	69	73	"	"	6	"
10	5	8	54.4	"	"	4	5°12°	0	30.39	73	71	69	73	"	"	5	"
11	6	5	60.9	"	"	4	5°12°	0	30.37	73	70	68	73	"	oc	0	"
Mid.	5	9	67.8	"	E	4	5°11°	0	30.37	72	70	68	73	"	"	0	"

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, January 16th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences ½ until 4 a.m.
Cloudy, gentle to moderate breezes from E x N. Rolling easily. Mast roll 10°. Pat log fouled several times by gulf weed. At end of watch on course S x W. pat log 5.6.9. Ship under topsails, courses, jib and fore top mast staysail.

F.M. Barnett, Ensign, U.S.N.

4 to 8 a.m.
Fair and pleasant. Gentle E x N by breezes. Barometer rising. max. lee roll 9°. At 5 set topgallant sails. At 5.30 set main top mast staysail. At end of watch under jib, fore & main top mast staysails, topsails, courses and topgallant sails. On course S x W. log 76.1

Ralph Earle,
Ensign, U.S.N.

8 a.m. to meridian.
Fair and very pleasant. Moderate to gentle breeze from E. & E.S.E. At 8.30 hauled up lee clews of foresail and clewed down main topsail, to make slight repairs to sails. Setting them again at 9.20. On course S x W during watch. At 9.30 went to quarters for inspection, followed by routine divisional drills. At 11 commenced issuing clothing and small stores. The commdg officer awarded the following punishments: C. Hoehl, app. 3d. and G.B. Bollard, app. 3d. 16 hrs extra duty for engaging in loud and violent altercation on gun deck during meal hours. John Crowley, Ldr. four days in double irons, for going below and turning in when his watch was on deck. M. Sullivan, 16 hours extra duty, for having on his person clothing in his possession, duty, ordered to be scrubbed. J.E. Birch, app. 3d., 8 hrs extra duty for not returning to his duty as messenger after dsdc. A.G. Squires, app. 3d. 8 hours extra duty for smoking. Confined J. Crowley, Ldr. in accordance with punishment awarded. At 11.30 hauled down main topmast staysail. Mast roll 10°. Hauled in pat. log several times last hour to clear it of sea weed.

T.L. Drury
Lieutenant, U.S.N.

meridian to 4 p.m.
Fair & pleasant. Gentle to moderate E & N E by breezes. Ship rolling at times deeply. Mast. roll. 18° to windward, and 25° to leeward. Course S x W (p.c.) Under jib, fore topmast staysail, and square sails.

C.M. McTuke
Lieutenant, U.S.N.

4 to 6 p.m.
Fair to clear and pleasant. Moderate E.N.E & N.E. by breeze. Barometer steady. Ship rolling easily. Mast 15°. At end of watch, under same sail as in previous watch. At 5.15 mustered at quarters, during which the Chaplain held prayers on the quarter deck.

J.M. Burnett
Ensign, U.S.N.

6 to 8 p.m.
Clear and pleasant. Gentle to moderate breeze from N.E. Ship rolling easily. Mast roll 12°. At 7.40 sighted lights of a steamer bearing West. At end of watch on course S x W. pat log 43.6. Ship under all plain sail to topgallant sails and fore topmast staysail.

F.M. Burnett, Ensign, U.S.N.

8 p.m. to midnight.
Fair and pleasant. Moderate E.N.E by breezes, shifting to E by, last half hour. Barometer falling. Bright moonlight until 10.30, when moon set. Mast roll 12°. At end of watch under same sail as in previous watch, on course, S x W. (t.c.) log 67.8

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E.F. Leiper.
Lt. U.S.N. Navigator.

4-565

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk Va. to Trinidad, S. A.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.							P. S.										
1	7	2	750	S x W.	E.	4	3°10'	0	30.36	73	73	69	73	b.c.	Cu.	8	S
2	6	8	81.8	"	"	4	3°12'	0	30.35	74	73	69	73	"	"	9	"
3	6	8	86.6	"	"	4	3°10'	0	30.34	74	73	69	73	"	"	8	"
4	6	8	95.4	"	"	4	3°10'	0	30.32	75	73	69	73	"	"	8	"
5	7	0	2.4	"	E x N	4	3°9°	0	30.32	76	72	70	73	"	"	8	"
6	7	4	9.8	"	"	5	3°11°	0	30.32	76	72	70	73	"	"	7	"
7	7	4	17.2	"	"	5	3°11°	0	30.32	76	72	70	74	"	"	7	"
8	7	9	25.1	"	"	6	3°10°	0	30.40	76	73	71	74	"	"	7	"
9	7	2	32.3	"	E.N.E.	5	2°12°	0	30.41	76	73	71	74	"	"	6	"
10	7	6	39.9	"	"	5	2°10°	0	30.41	76	74	71	75	b.c.	Cu.	5	"
11	7	8	47.7	"	"	5	2°10°	0	30.39	74	75	75	75	b.c.	"	7	"
Noon.	7	3	55.0	"	"	5	0°12°	0	30.38	75	75	73	75	b.c.	"	8	"

Position at 8 A. M.: Latitude by D.R. 21 ° 28' 0" N. Temp. of Mag. For. Aft.
Longitude by Obs. 50 ° 10' 0" W. 69.67 70.70

Position at noon: Latitude by observation 20 ° 53' 0" N.
Longitude by observation 50 ° 8' 13" W.
Latitude by D. R. 20 ° 51' 42" N.
Longitude by D. R. 49 ° 54' 48" W.

Course made good since preceding noon: S. 1° W.

Distance made good since preceding noon: 162 miles.

Distance by Log since preceding noon: 157.4 miles.

Current per hour: 5/8 knots miles, set S. 70° W. true.

Position at 8 P. M.: Latitude by D.R. 20 ° 00' 00" N.
Longitude by Obs. 50 ° 32' 18" W.

Variation of compass:
8:45 a.m. azimuth ⊙ Ships head S.W. 130° 39' Nly variation west 10° Nly
Error of compass observed at 4:24 p.m. " " " " " 130 40 " " " 8°50 Nly
8:45 a.m. " " " " " 39 39 " " " 10° "
Deviation of compass on 4:24 p.m. " " " " " 40 50 " " " 8°50 "

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 110 " 415 "

P. M.							P. S.										
12:30	4	0	59.0	S x W.													
1	3	0	62.0	S.W. x S.	E.N.E.	4	2°8°	0	30.37	75	75	74	76	b.c.	Cu.	4	S
2	6	4	68.4	"	"	5	8°10°	0	30.40	74	74	71	66	"	"	4	"
3	7	1	75.5	"	"	5	10°20°	0	30.44	74	74	71	66	"	"	5	"
4	7	6	83.1	"	"	5	10°20°	0	30.48	74	74	71	66	"	"	5	"
5	7	8	90.9	"	E x N.	5	10°18°	0	30.44	74	74	72	69	b.c.q.	"	5	"
6	6	5	97.4	"	"	5	10°18	0	30.42	74	74	72	69	Lt.	"	5	"
7	7	0	104.4	"	"	5	10°18°	0	30.42	74	74	73	69	"	"	5	"
8	7	0	11.4	"	"	5	10°18°	0	30.42	74	75	73	75	"	"	5	"
9	7	1	18.5	"	"	5	10°25°	0	30.42	74	75	72	73	"	"	5	"
10	7	2	25.7	"	"	5	12°25°	0	30.44	74	75	72	73	"	"	5	"
11	7	3	33.0	"	"	5	12°20°	0	30.44	74	75	72	73	"	Cum	5	"
Mid.	7	4	40.4	"	"	5	10°20°	0	30.44	74	74	72	73	"	"	6	"

4—355

under the command of Commander Frant. Courtis, U. S. Navy,

Tuesday, January 17, 1898, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.
Clear and pleasant. Moderate breeze from East. Standing on course S x W during watch. Under jib, fore topmast staysail, foresail, mainsail, topsail & topgallant sails. Barometer falling slowly. Mag roll 15°.

J. T. Howry
Lieut. U.S.N.

4 to 8 am
Clear & pleasant. Moderate to stiff breeze from E x N. Course S x W. (p.c.) All sail set save main topmast staysail and main trysail, at 7. set main topmast staysail. At 7:45 sighted a steamer on weather beam, bound to the S'd. Mag roll 12°

C. M. Taho
Lieut U.S.N.

8 am to meridian
Fair to clear. Stiff E.N.E. breeze. Barometer falling slowly. At 9 hoisted our colors and made our number to a passing English steamer which was not understood. At 9:30 mustered at quarters, after which exercised divisions at routine drills. Navigators division engaged in breaking out Paymasters store room and shifting stores. At 10 lost sight of steamer. The commander assigned the following punishments. G.W. Rowe, appr. 3 cl. T. Nettles, appr. 3 cl. T.J. Botello, app. 3 cl. H.M. True, app. 3 cl. F.K. Kemp, app. 3 cl. Failing to lash and carry hammock at proper time 4 hrs extra duty. R. Bennett, asp. 3 cl. sleeping in another persons hammock, 4 hrs extra duty. M.H. Gibbs, app. 3 cl. sleeping in another persons hammock, 8 hrs extra duty. Ship rolling easily. Mag. roll 12° Noted end of watch under all plain sail to topgallant sails, & main topmast staysail.

Officer of the
Ensign, U.S.N.

meridian to 4 pm
Fair pleasant weather. Moderate to stiff breeze from E.N.E. At 12:30 changed course to S.W. by S. (p.c.) pat log 59. At 12:45 took in main topmast staysail. Braced yard square. At 1:00 took in and furled mainsail, and put on sail and yard cover. Hauled down fore topmast staysail. Raised smoke stack about 6 ft at 2:30. Engaged in hoisting out and shifting Paymasters stores. At end of watch on course S.W. x S. (p.c.) pat log 83.1. Ship under topsails, foresail, topgallant sails and jib. Mag roll 20°

J. M. Bennett, Ensign, U.S.N.

4 to 6 p.m.
Generally fair & cloudy. Passing squall first hour. Stiff E x S'ly breeze. Barometer steady. Mag. roll 18°. At 4:15 took in fore topgallant sail to toggle buntlines. At 4:45 took in main topgallant sail for passing squalls. At 5:00 set fore & main topgallant sails. At 5:10 hauled down jib and set fore topmast staysail. At 5:05 started fires under boiler A for purpose of distilling. At 5:45 mustered at quarters. At end of watch under fore & topmast staysail, foresail, topsails and topgallant sails on course S.W. x S. (p.c.) log 97.4

Ralph Earle,
Ensign, U.S.N.

6 to 8 p.m.
Fair and very pleasant. Stiff breeze from E x N. On course S.W. x S. during watch and under same sail as previous watch. Mag. roll 27°.

J. T. Howry
Lieut. U.S.N.

8 p.m. to midnight
Fair & pleasant. Stiff breeze from E x N. Course S.W. x S. (p.c.) under fore topmast staysail and square sail except main sail. At 9:30 commenced distilling. Mag roll 25°

C. M. Taho
Lieut. U.S.N.

Examined and found to be correct.

F. F. Leiper,
Lt.
Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk Va to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.							P. S.										
1	7	1	47.5	S.W. x S.	E.N.E.	5	12°15°	0	30.33	74	76	73	74	b.c	cu	2	M
2	7	2	54.7	"	"	5	12°18°	0	30.32	74	73	73	74	"	"	4	"
3	6	3	61.0	"	"	4-5	12°18°	0	30.30	74	74	74	75	"	"	5	"
4	7	4	68.4	"	N.E.	4-5	12°18°	0	30.29	74	74	74	75	"	"	7	"
5	7	1	75.5	"	E.N.E.	5	12°19°	0	30.30	74	73	73	75	"	"	8	"
6	7	2	82.7	"	"	5	12°20°	0	30.31	74	73	73	75	"	"	5	"
7	7	4	90.1	"	"	5	10°20°	0	30.31	75	74	73	75	b.c.p.	Cu.	6	"
8.25 8	7	4	97.8	"	"	5	18°20	0	30.44	76	77	73	75	"	"	6	"
9	7	0	4.8	"	"	5	18°20°	0	30.45	76	77	73	75	b.c.	"	6	"
10	7	5	12.0	"	"	5	18°20°	0	30.44	76	77	73	75	"	"	6	"
11	7	2	19.7	"	"	5	18°20°	0	30.27	76	78	76	76	"	"	6	"
Noon.	7	5	26.5	"	"	5	18°21°	0	30.36	76	78	75	76	"	"	4	"

Position at 8 A. M.: Latitude by D.R. 18 ° 39' 0 " N. Temp. Mag.
Longitude by obs. 51 ° 15' 36 " W. Fore Cyl

Position at noon: Latitude by observation 18 ° 9' 0 " N. 71.70 71.70
Longitude by observation 51 ° 26' 36 " W.
Latitude by D. R. 18 ° 11' 12 " N.
Longitude by D. R. 51 ° 9' 18 " W.

Course made good since preceding noon: S 24° W.

Distance made good since preceding noon: 180 miles.

Distance by Log since preceding noon: 171.7 miles.

Current per hour: 6/8 tenths miles, set S 82 W true.

Position at 8 P. M.: Latitude by DR. 15 ° 48 ' 00 " N.
Longitude by Obs. 54 ° 10 ' 00 " W.

Variation of compass: 120 Wly variation 7°40' Wly

Error of compass observed at 4.20 pm by azimuth & shipshead SW x S: 11 ° 10° " " 6°50' "
Deviation of compass on 8.25 am " " " " : 4° 20' " " 7°40 "
4.20 pm " " " " : 4° 20' " " 6°50 "

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 1 tons, 1810 lbs.

Coal remaining on hand at noon, 108 " 515 "

P. M.							P. S.										
1	3	0	29.5	S.W. x S.	E.N.E.	4	20°25°	0	30.36	76	78	75	76	b.c.	cu	6	M
	5	8	32.8	S.W. x W.													
2	6	2	39.0	"	"	4	20°25°	0	30.36	74	78	75	76	b.c.p.g	cu.n.	5	"
3	6	1	45.1	"	"	4	20°25°	0	30.34	76	77	73	76	b.c.p.	"	6	"
4	6	4	51.5	"	"	4	20°26°	0	30.36	77	77	74	76	"	"	5	"
5	6	4	57.9	"	"	4	15°25°	0	30.36	77	77	74	76	b.c	"	5	"
6	6	3	64.2	"	"	4	10°15°	0	30.36	77	77	74	76	b.c.p.	"	5	"
7	6	8	71.0	"	"	4	10°15°	0	30.40	75	75	74	76	"	"	4	"
8	6	4	77.4	"	"	4	11°15°	0	30.40	75	73	74	76	"	"	4	"
9	6	2	83.6	"	"	4	12°15°	0	30.38	76	78	74	76	"	"	5	"
10	6	8	90.4	"	"	3-5	15°20°	0	30.36	77	77	74	75	"	"	6	"
11	6	5	96.9	"	"	4	15°20°	0	30.28	74	74	74	75	b.c	"	7	"
Mid.	6	1	3.0	"	"	4-5	15°20°	0	30.27	75	75	74	76	b.c.p.	"	4	"

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday, January 18, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am. Fair and damp, light passing rain showers. Moderate to stiff breeze from E. N. E and N. E. Barometer falling slowly. At 12:45 took in top gallant sails and set them again at 2:30. On course at end of watch, under same sail as in previous watch. Ship rolling heavily at times, max imum roll 30°. Distilling.

Ensign, U.S.N.

4 to 8 am. Fair pleasant weather, light passing showers last two hours. Stiff breeze from E. N. E. Barometer rising. Rolling heavily, max roll 20°. At end of watch on course S. by W. pat log. 97.6. Ship under topsails, topgallant sails, foresail and fire topmast staysail.

K. M. Bennett, Ensign, U.S.N.

8 am to meridian. Cloudy & pleasant. Stiff E.N.E.ly breezes. Barometer falling. Max. roll 30°. At 9 set jib, main topmast staysail & main try sail. At 9:30 mustered at quarters; followed by routine divisional drills. The comndg. officer assigned the following punishments. J. J. Moran, app. 3d, stocking in lucky bag, and refusing to turn into his hammock during his watch below, 4 hrs extra duty; W. J. Winchester, app. 3d, Sleeping on watch, and carelessly hanging his towel over light so as to catch fire, 3 days solitary confinement on bread and water; F. McCarthy, Pvt. marines, and refusing to obey orders of N. C. O. 5 days solitary confinement on bread and water. Confined F. McCarthy, Pte. and W. J. Winchester, app. 3d, in accordance with punishment, by order of Comndg. Officer. By order of comndg officer released F. E. Busch app. 3d, from confinement, his term of confinement having expired. Max temperature of magazines, 7:10 At 11:10 set clock back 4 minutes. Distilling. At end of watch under jib fore and main topmast staysails, foresail main try sail, topsail & topgallant sails, on course S. by W. (SS) log. 26.6

Paspl. Earle,
Ensign, U.S.N.

meridian to 4 pm.
Fair and very pleasant. Moderate breeze from E.N.E. At 12:30, pat. log reading 29.5, changed course to S. by W and hauled down jib and main topmast staysail & hoisted in main try sail. Ship rolling heavily at times, to moderate following sea. Distilling. max roll, 25°.

T. Tolley
Lieut. U.S.N.

4 to 6 p.m.
Fair and pleasant. Moderate E.N.E.ly breeze, rolling deeply at times. max roll 25°. Course S. by W. Hauled down fore topmast staysail for repairs, and set jib. All square sail set.

C. M. Fahs
Lieut. U.S.N.

6 to 8 p.m.
Fair to cloudy, pleasant. Moderate E.N.E.ly breeze. Barometer rising. Ship rolling easily, max. 20°. Very heavy rain squall first hour. Under same sail as at end of previous watch. On course at end of watch. Moderate following sea. Distilling.

Ensign, U.S.N.

8 p.m. to midnight.
Cloudy, passing showers. Gentle to stiff breezes from E.N.E. Ship rolling easily, max roll 20°. On course S. by W. (SSE) pat log 3.0 Under topsail, topgallant sail, foresail and jib.

K. M. Bennett, Ensign U.S.N.

Examined and found to be correct.

E. F. Leeper,
Lt. Navigator.

4—300

LOG of the UNITED STATES Training Ship Essex Rate,

Making passage from Norfolk Va to Funchal P.I.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.							P. S.										
1	6	4	9.4	S.W. x W.	E. N. E	4	5°10'	0	30.25	75	78	74	75	b.s.p.	Cu. N.	4	m
2	6	8	16.2	" "	"	4	8°15'	0	30.23	75	74	71	75	"	"	5	"
3	5	6	21.8	"	"	3-4	8°15'	0	30.24	75	74	71	75	"	"	5	"
4	5	2	27.0	"	"	3-4	8°15'	0	30.22	75	73	71	75	c.c.s.	"	3	"
5	6	8	33.8	"		5	10°.9'	0	30.24	74	73	71	75	b.c.	"	8	"
6	6	9	40.7	"	N.E. x E.	5	8°14'	0	30.26	75	74	72	75	"	"	7	"
7	6	9	47.6	"	East	5	8°14'	0	30.25	75	74	72	75	"	A.cu.	7	"
8.17 8	6	8	54.4	"	"	5	8°15'	0	30.26	75	75	72	76	"	"	6	"
9	6	8	60.7	"	"	5	10°18'	0	30.26	76	76	73	77	"	cu	5	"
10	6	7	67.4	"	"	5	9°18'	0	30.26	76	78	74	77	"	"	7	"
11	6	7	73.6	"	"	5	9°18'	0	30.26	76	79	75	77	"	"	7	"
Noon.	6	4	80.0	"	"	5	9°20'	0	30.23	76	79	75	77	"	"	4	"

Position at 8 A. M.: Latitude by D.R. 16 ° 37 ' 48 " N. Temp. of Magazine
Longitude by Obs. 53 ° 00 ' 06 " W. Fore Aft
72-72

Position at noon: Latitude by observation 16 ° 20 ' 38 " N. 72-71
Longitude by observation 53 ° 26 ' 42 " W
Latitude by D. R. 16 ° 19 ' 12 " N.
Longitude by D. R. 53 ° 19 ' 36 " W.

Course made good since preceding noon: S. 47 W.

Distance made good since preceding noon: 157 miles.

Distance by Log since preceding noon: 153.2 miles.

Current per hour: 2½ tenths miles, set N. 77 W. true.

Position at 8 P. M.: Latitude by D.R. 15 ° 48 ' 00 " N.
Longitude by Obs. 54 ° 10 ' 00 " W

Variation of compass:

Error of compass observed at 8.05 a.m. by azimuth, ships head, S.W. x W. 10° 10' var. ward, 3° 30' wly

Deviation of compass on " " " " " 4° 30'

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 1 tons, 1885 lbs.

Coal remaining on hand at noon, 10.6 " 1500 "

P. M.																	
1	5	8	85.8	S.W. x W.	E. N. E.	4	12°20'	0	30.25	77	79	74	77	b.c.	Cu	3	M
2	5	6	91.4	"	"	4	12°20'	0	30.25	77	78	74	77	b.c.p.	Cu 2	2	"
3	5	9	97.3	"	"	4	12°20'	0	30.28	77	78	74	77	"	"	2	"
4	5	5	102.8	"	N.E. x E.	4	12°20'	0	30.28	78	77	74	77	"	"	2	"
5	6	2	90	"	"	4	15°20'	0	30.30	77	77	73	77	"	"	6	"
6	6	1	15.1	"	"	4-5	15°20'	0	30.31	77	77	73	77	"	"	3	"
7	6	6	21.7	"	E.N.E.	4	15°20'	0	30.30	78	76	73	77	b.c.b.g.	"	2	"
8	6	1	27.8	"	"	4	15°20'	0	30.29	78	76	73	77	b.c.p.	"	5	"
9	6	7	34.4	"	"	4	15°20'	0	30.29	78	76	73	77	"	"	3	"
10	7	0	41.4	"	"	4-2	15°20'	0	30.29	78	79	74	77	"	"	6	"
11	6	2	77.6	"	"	4	15°20'	0	30.29	78	79	74	77	"	"	5	"
Mid.	7	5	85.1	"	E.S.E.	5	15°20'	0	30.27	78	76	73	77	b.c.p.g.	"	2	"

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, January 19, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Cloudy, with frequent passing rain squalls first three hours. Overcast and raining last hour. Moderate to gentle E.N.E. by breezes Barometer falling. Mast roll 15° Distilling. At end of watch under plain sail to topgallant sail, except mainsail and spanker. On course S.W. x W. (p.c.) log 270.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m. Clear and pleasant stiff breeze from N.E. x E. and East. On course S.W. x W during watch. Rolling deeply at times. to moderate following sea. Same sail as previous watch. Mast roll 25°. Distilling.

T. Tormey
Acting Lieut. U.S.N.

8 a.m. to meridian.
Fair to cloudy, stiff breeze from East under jib and square sails. Exercised at routine drills. Course S.W. x W (p.c.c) Maximum roll 26°. Distilling. The Commdg Officer awarded the following punishments. E.W. Hart appr. out of uniform, A.B. Vinton, appr. 3 cl. not cleaning bright work, H.G. Rockey, appr. 3 cl. having dirty clothes stowed away in the chains, N.B. Tormey, appr. 3 cl. same, G.R. Rowell, appr. 3 cl. same, J.R. Phillips, appr. 3 cl. disobedience, not obeying into clear ship when ordered, all 4 hours extra duty. F. Vetter, appr. 3 cl. loud swearing on Gun deck at mess table, 8 hours extra duty.

Chas. Oaks
Acting Lieut. U.S.N.

meridian to 4 p.m. Overcast to fair. Moderate E.N.E and N.E. x E. by breezes. Barometer falling slowly. on course under same sail as in previous watch. Ship rolling heavily at times. Distilling.

Wm. Allen Miller
Ensign U.S.N.

4 to 8 p.m. Cloudy, pleasant. Moderate to stiff breeze from N.E. x E. Mustered at quarters at 5.0. At end of watch on course S.W. x W. p.c. log 151. Ship rolling at times heavily. Mast roll 20° Under topsails, topgallant sails, fore sail and jib.

F.M. Bennett Ensign U.S.N.

8 to 8 p.m.
Cloudy, with passing rain squalls. Moderate E.N.E. by breezes Barometer falling. mast roll 20° At 7.30 stopped distilling and allowed fires to die out under boilers. At end of watch under same sail as in previous watch on course S.W. x W. (p.c.) log 27.8

Ralph Earle,
Ensign U.S.N.

8 p.m. to midnight.
Cloudy with light showers first hour. Moderate to stiff breezes from E.N.E. hauling to E.S.E. during rain squall last hour. On course S.W. x W. and under same sail as in previous watch. Max roll 23°

T. Tormey
Acting Lieut. U.S.N.

Examined and found to be correct.

T. T. Leeper
Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk Va. to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.							P.S.										
1	6	5	61.6	S.W.xW.	E.N.E.	4-5	10°15°	0	30.24	76	75	73	77	b.c.	cu.m	3	M
2	5	8	67.4	"	"	4-5	10°15°	0	30.29	75	75	73	76	b.c.p.	"	7	"
3	7	0	74.4	"	"	5	10°15°	0	30.21	74	75	73	76	b.c.	"	7	"
4	6	5	80.9	"	"	5	15°20°	0	30.20	75	75	73	76	b.c.b.	"	8	"
5	6	5	87.4	"	N.E.xE.	4	15°17°	0	30.22	75	75	73	76	"	"	6	"
6	6	5	93.9	"	"	4	15°17°	0	30.23	75	75	73	76	"	"	3	"
7	6	9	100.8	"	"	5	8°15°	0	30.25	75	75	73	76	"	"	3	"
8.09 8	7	2	8.0	"	E.N.E.	5	8°15°	0	30.25	78	76	74	76	"	"	3	"
9	6	4	14.4	"	"	4-5	8°16°	0	30.32	76	77	76	77	"	"	3	"
10	6	9	21.3	S.W.xW.	"	4-5	8°16°	0	30.37	78	77	77	77	"	"	3	"
11	5	9	27.2	"	"	4	15°25°	0	30.30	78	81	77	77	b.c.	ci.cu	7	"
Noon.	7	4	34.6	"	E.xN	4	15°25°	0	30.24	78	81	77	77	"	cir.	8	"

Position at 8 A. M.: Latitude by D.R. 14° 58' 18" N. — Temp. of Magazine Fore Aft.
Longitude by Obs. 55 0 21' 00" W. — 73 72 74 72

Position at noon: Latitude by observation 14 0 39' 30" N.
Longitude by observation 55 0 38' 42" W.
Latitude by D. R. 14 0 33' 44" N
Longitude by D. R. 55 0 21' 42"

Course made good since preceding noon: S. 51° W.

Distance made good since preceding noon: 164 miles.

Distance by Log since preceding noon: 154.7 miles.

Current per hour: 7 x miles, set N. 71° W. true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at 7.52 am. azimuth o. ship's head S.W.xW. 7° 50°

Deviation of compass on " " " 4 20° var. used 3°30' W'ly.

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 500 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, tons, 1498 lbs.

Coal remaining on hand at noon, 106 " 75 "

P. M.																	
1	4	2	38.8	S.W.xW.	E.xN.	3	10°20°	0	30.24	79	77	77	79	b.c.	cu	6	M
2	5	6	44.4	"	"	3	10°20°	0	30.24	79	78	77	79	"	"	6	"
3	4	6	49.0	"	E.N.E.	3	10°18°	0	30.23	79	78	78	79	"	cu.	5	"
4	4	0	53.0	"	"	3	20°25°	0	30.23	79	78	78	79	"	"	5	"
5	4	7	57.7	"	"	3	20°25°	0	30.23	79	78	78	79	"	"	5	"
6	4	1	61.8	"	"	3	20°25°	0	30.21	79	77	78	79	b.c.p.	"	6	"
7	5	2	67.0	"	"	3-2	20°25°	0	30.25	79	77	77	79	"	"	4	"
8	2 3 4	3 9	69.3 71.3	"	"	3	18°18°	0	30.28	77	76	76	78	"	"	4	"
9	5	4	76.7	"	East	3	20°20°	0	30.28	77	76	76	78	"	"	4	"
10	5	7	82.4	"	"	4	15°15°	0	30.26	77	76	76	78	"	"	5	"
11	5	0	87.4	"	"	4	15°25°	0	30.26	77	76	76	78	"	"	3	"
Mid.	5	4	92.8	"	E x N	4	15°25°	0	30.26	77	76	76	78	"	"	4	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, January 20th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair to cloudy. Moderate to stiff E.N.E. by breeze. Ship rolling deeply, max. roll. 27°. Course E.N.E. W.
(p.c.) Under jib and spare sails.

C.M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Cloudy and pleasant, with passing rain showers, first two hours. Moderate to stiff breeze from N.E. by E. to E.N.E. course at end of watch under

Ensign, U.S.N.

Punishments, January 20, 1899.

McAnulty, T.J.	App. 3 cl.	4 hours Extra Duty, Clothes in Rucky Bag.	Roach, B.W.	App. 3 cl.
McLaughlin, J.D.	" "		Sullivan, M.	" "
Fretz, A.	" "		Leonard, G.E.	" "
Tormey, M.P.	" "		Erck, C.	" "
Costello, P.J.	" "		Bennett, R.	" "
Dillingen, A.	" "		Kirk, J.J.	" "
Buell, P.E.	" "		Bogard, J.J.	" "

N.G. Squires, app. 3 cl. Smoking. 8 hrs. extra duty.
L.M. Millay, B.M. 2 cl. Disregard of orders of the Executive Officer, and Officer of the Deck. Reduced to 2d class.

W.W. Burnett.
Ensign U.S.N.

changed course to E.N.E. & E.
drill. The commanding
magazine flood and drain cocks
E.S.E., and heading to S.E. & S.
unsail to dry. At end of watch
top gallant sails. Furled sail, jib.

Ensign, U.S.N.

imum roll 25°. At 1:30 hoisted
below. At 12 hauled down fore
try sail. At end of watch under

Ralph Earle,
Ensign U.S.N.

h. At 5 went to fire quarters.
d 20°

Divey Lieut. U.S.N.

ply at times. Maximum roll

C.M. Fahs
Lieut. U.S.N.

8 p.m. to midnight.
Fair to clear. Passing rain showers 3d hour. Gentle to moderate breeze from E. and E. by N.
Ship rolling heavily at times. Maximum roll 25°. On course at end of watch under

Ensign, U.S.N.

Examined and found to be correct.

E.F. Leiper.
Lieut.
Navigator.

under the command of Commander Frank Courtis, U. S. Navy,

Friday, January 20th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Fair to cloudy. Moderate to stiff E.N.E by breeze. Ship rolling deeply, max. roll. 27°. Course S.W. x W. (p.c.) Under jib and square sails.

C.M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Cloudy and pleasant, with passing rain showers first two hours. Moderate to stiff breeze from N.E. x E. to E.N.E. Barometer rising. Ship rolling moderately, maximum 17°. On course at end of watch. Under same sail as in previous watch.

Wm. Allen
Ensign, U.S.N.

8 a.m. to meridian.
Clear and pleasant. Moderate to stiff breeze from E.N.E. to E. x N. At 9:10 changed course to S.W. ½ W. (p.c.), patent log 14.4. Mustered crew at quarters at 9:30. Exercised at routine drill. The commanding officer assigned the following gunsmates at the mast (see list). Tested magazine flood and drain cocks and found them in good condition. At 10:15 sighted a sailing vessel bearing S.E., and heading to N.E. by N. At 10:30 hoisted fore topmast stay sail and hoisted main topmast stay sail and mainsail to dry. At end of watch on course S.W. ½ W., patent log 34.6. Maximum roll 25°. Ship under topsails, topgallant sails, fore sail, jib, and fore topmast staysail.

W.M. Bennett Ensign, U.S.N.

meridian to 4 p.m.
Fair and pleasant. Gentle E. x N. by and E.N.E. by E. breeze. Barometer falling. Maximum roll 25°. At 1:30 hoisted main topmast staysail, and set main trysail. Unbent mainsail, and sent it below. At 12 hauled down fore topmast staysail. At 3 hauled down main topmast staysail and took in main trysail. At end of watch under jib, topsails, topgallant sails and fore sail, on course S.W. ½ W., log 53.0

Ralph Earle
Ensign U.S.N.

4 to 6 p.m.
Fair and pleasant. Gentle breeze from E.N.E. On course S.W. ½ W during watch. At 5 went to five quarters, followed by quarters for muster. Same sail as previous watch. Maximum roll 20°.

T. Tarry Lieut. U.S.N.

6 to 8 p.m.
Fair and pleasant. Gentle to light breeze from E.N.E. Ship rolling deeply at times. Maximum roll 25°. Course S.W. ½ W. (p.c.), under jib and square sails.

C.M. Fahs
Lieut. U.S.N.

8 p.m. to midnight.
Fair to clear. Passing rain showers 3d hour. Gentle to moderate breeze from E. and E. x N. Ship rolling heavily at times. Maximum roll 25°. On course at end of watch under same sail as in previous watch.

Wm. Allen
Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut
Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk Va. to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	6	98.3	SW ¼ W	E x N	4	12°18°	0	30.25	77	76	74	78	b.c	cu	4	M
2	6	0	43	"	E.	4-5	12°18°	0	30.25	77	75	74	78	"	"	4	"
3	6	2	10.5	"	E.b.E.	4-5	12°18°	0	30.25	77	75	74	78	"	"	4	"
4	6	2	16.7	"	"	4-5	12°18°	0	30.25	78	75	74	78	"	"	4	"
5	6	3	28.0	"	"	4	7°10°	0	30.25	76	75	74	77	"	s.cu	6	S
6	6	4	29.4	"	"	4	2°5°	0	30.24	78	77	76	77	"	"	6	"
7	5	3	34.7	"	"	3	2°5°	0	30.26	78	78	76	77	"	"	7	"
8.08' 8	6	1	40.8	"	"	4	4°7°	0	30.27	78	78	76	77	"	cu	8	"
9	5	3	46.1	"	"	4	4°7°	0	30.30	79	78	76	77	"	"	8	"
10	5	6	51.7	"	"	4	4°7°	0	30.30	79	79	76	77	"	"	8	"
11	5	5	57.2	"	East	4	4°7°	0	30.29	79	79	78	78	"	"	8	"
Noon.	5	7	62.9	"	"	4	4°7°	0	30.27	80	82	78	78	"	"	8	"

Position at 8 A. M. { Latitude by D.R. 13 ° 21 ' 0 " N Temp. of Mag.
Longitude by Obs. 57 ° 7 ' 0 " W. Fore Aft.

Position at noon: { Latitude by observation 13 ° 12 ' 52 " N. 78.5 78.
Longitude by observation 57 ° 18 ' 0 " W.
Latitude by D. R. 13 ° 1 ' 0 " N.
Longitude by D. R. 57 ° 3 ' 0 " W.

Course made good since preceding noon: S 48° W.

Distance made good since preceding noon: 130 miles.

Distance by Log since preceding noon: 130.6 miles.

Current per hour: 7/8 tenths miles, set N 49° W. true.

Position at 8 P. M. { Latitude by obs. Polaris 12 ° 58 ' 0 " N.
Longitude by " 57 ° 53 ' 0 " W.

Variation of compass:

Error of compass observed at 8.20 am azimuth o shipshead SW ¼ W. 6°19' wly

Deviation of compass on " " " " " 4°11' " var. pass 2°0' wly

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 105 " 1865 "

P. M.																	
1	2	3	65.4	SW ¼ W	East	3	5°8°	0	30.25	79	83	78	78	b.c	St.Cu	8	S
	2	2	67.6	W.S.W.													
2	4	1	71.7	"	"	3	5°8°	0	30.20	79	83	78	78	"	"	8	"
3	4	3	76.0	"	"	3	5°8°	0	30.20	79	80	75	79	"	Cu	6	"
4	4	5	80.5	"	"	3	5°8°	0	30.19	79	80	75	79	"	"	7	"
5	4	5	85.0	"	E.N.E.	3	5°8°	0	30.20	79	80	75	79	"	"	7	"
6	4	8	89.8	"	"	3	5°8°	0	30.25	79	80	75	79	"	"	7	"
7	4	8	94.6	"	"	3	5°8°	0	30.28	79	80	75	79	"	"	8	"
8	5	4	100.0	"	"	3	5°8°	0	30.28	79	80	75	79	"	"	8	"
9	5	0	5.3	"	"	3	5°8°	0	30.29	80	78	75	78	"	"	9	"
10	5	4	10.7	"	"	3	5°10°	0	30.27	80	78	75	78	"	"	8	"
11	5	7	16.4	"	"	4	5°10°	0	30.24	78	76	74	78	"	"	8	"
Mid.	5	9	22.3	"	E x N.	4	6°5°	0	30.28	79	78	73	78	"	"	8	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, January 21st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Moderate to stiff breezes from E. N. to E. S. E., wind unsteady in direction and force. Moon set at 2.05. At 2.10 set forward, main topmast staysails and main try sail. At 3.00 hauled down main topmast staysail. Ship rolling moderately, maximum roll 18°. At end of watch on course, S. W. ¼ W. Distance log 167. Under topsails, topgallant sails, foresail, jib, fore topmast staysail and main try sail.

4 to 8 a.m.
H. M. Bennett, Ensign, U.S.N.
Fair & pleasant. Gentle to moderate E. S. E. ly breezes. Barometer rising. Maximum roll 15°. At 6.00 set main topmast staysail. At end of watch under jib, fore and main topmast staysails, main try sail, fore sail, topsails & topgallant sails. On course, S. W. ¼ W., log 40.8

Ralph Earle,
Ensign, U.S.N.
8 a.m. to meridian
Moderate breeze from E. S. E. and East. On course S. W. ¼ W. during watch, and under same. Received Wm. J. Manchester, app'd. and John Lowery, Bdsm., their terms of confinement having expired. The commdg. officer awarded the following punishment, which was carried out at once: A. Getz, app'd., committing a nuisance on Gun Deck, 3 days solitary confinement, on bread and water. Maximum roll, 10°

T. Dewey
Lieut. U.S.N.

meridian to 4 p.m.
Fair and pleasant, gentle breeze from East. Course changed at 12:30 to W. S. W. (p. c.) Under jib and square sails, having taken in fore and main topmast staysails and try sail at 12:30. Maximum roll, 8°.

C. M. Jahn
Lieut. U.S.N.
4 to 6 p.m.
Fair ½ pleasant. Gentle E. N. E. breeze. Barometer steady. Ship rolling easily, maximum 10°. At 5.15 held quarters for muster, after which held prayers. At end of watch, on course, under same sail as in previous watch.

A. Hustler
Ensign, U.S.N.
6 to 8 p.m.
Clear and pleasant, gentle breeze from E. N. E. Ship rolling easily, maximum roll 8°. At end of watch, on course W. S. W., patent log 100. Ship under topsails, topgallant sails, foresail and jib.

H. M. Bennett, Ensign.
8 p.m. to midnight
Fair and pleasant. Gentle to moderate E. N. E'ly to E. S. E'ly breeze. Barometer falling, maximum roll 12°. Bright moonlight. At end of watch under same sail as previous watch, on course, W. S. W. log 223.

Ralph Earle
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leeper,
Lt. Navigator.

4—365

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Norfolk, Va. to Trinidad B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Forces.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.							S. P.										
1	6	0	28.3	W.S.W.	E x N.	4	10°10°	0	30.22	78	77	76	78	l.c.	Cum	5	S
2	6	4	34.7	"	"	4	10°10°	0	30.22	78	77	76	78	"	"	9	"
3	6	7	40.7	"	"	4	5°8°	0	30.22	76	77	76	78	"	cu	7	"
4	6	7	47.4	"	E.S.E.	4	5°8°	0	30.22	78	76	75	77	"	"	7	"
5	5	5	52.9	"	"	4	5°10°	0	30.22	78	76	75	77	"	"	8	"
6	5	2	58.1	"	"	3	5°10°	0	30.27	79	77	76	77	"	s.cu.	7	"
7	4	8	62.9	"	"	3	5°7°	0	30.28	79	78	77	77	"	"	7	"
8	4	6	67.5	"	"	3	6°8°	0	30.28	79	80	75	78	"	cu	8	"
9	5	0	72.5	"	E.N.E.	3	6°8°	0	30.26	80	82	76	78	"	"	8	"
10	4	6	77.1	"	"	3	6°8°	0	30.26	80	83	77	79	"	"	6	"
11	4	3	81.4	"	"	3	6°6°	0	30.26	84	85	80	79	"	"	6	"
Noon.	5	0	86.4	"	"	3	6°8°	0	30.26	84	85	80	79	"	"	6	"

755

Position at 8 A. M. { Latitude by obs. Venus, Jupiter, Sun — 12 ° 31 ' 32 " N. — Tenths of Mag. Em. apt 74-73 75-74
Longitude by " " " " — 58 ° 58 ' 45 " W.

Position at noon: { Latitude by observation — 12 ° 22 ' 38 " N.
Longitude by observation — 59 ° 15 ' 45 " W.
Latitude by D. R. — 12 ° 13 ' 00 " N.
Longitude by D. R. — 59 ° 7 ' 00 " W.

Course made good since preceding noon: S. 66° W

Distance made good since preceding noon: 126 miles.

Distance by Log since preceding noon: 124 miles.

Current per hour: Tenths miles, set N. 41° W. true.

Position at 8 P. M. { Latitude by — ° ' "
Longitude by — ° ' "

Variation of compass:

Error of compass observed at 9:42 an azimuth o ships head W.S.W. — 4° 45' wly.

Deviation of compass on " " " " " " — 4° 00' : variation used 0° 45' wly

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, tons, 1450 lbs.

Coal remaining on hand at noon, 105 " 1415 "

P. M.																
12:30	2	0	88.4	W.S.W.	E.N.E.	3	6°8°	0	30.22	80	85	79	79	l.c.	cu	7	S
1	1	6	90.2	W x W 3/4 W.													
2	4	1	94.3	"	"	3	7°8°	0	30.22	80	84	78	79	"	"	7	"
3	4	5	98.8	"	"	3.4	6°7°	0	30.22	81	83	78	79	"	"	7	"
4	5	0	3.8	"	"	3.4	6°7°	0	30.20	81	80	76	79	"	"	7	"
5	3	4	7.4	"	"	3	5°7°	0	30.20	80	80	75	79	"	"	9	"
6	4	6	12.0	"	"	3.4	6°7°	0	30.24	80	78	74	79	"	"	9	"
7	5	0	17.0	"	"	4	8°10°	0	30.24	81	79	75	79	"	"	8	"
7:30	2	8	19.8	"	"	4	10°12°	0	30.25	81	79	75	79	"	"	8	"
8	2	5	22.3	"	"	4	10°12°	0	30.25	81	79	75	79	"	"	8	"
9	4	9	28.4	"	"	4	10°12°	0	30.25	81	79	75	79	"	"	8	"
10	5	0	33.4	"	"	4	10°10°	0	30.26	81	79	75	79	"	"	8	"
11	5	1	38.5	"	"	4	9°10	0	30.24	79	78	75	79	"	"	7	"
Mid.	5	7	49.2	"	"	4.5	9°9°	0	30.23	79	78	75	79	"	"	7	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, January 22. 1899, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 4 until 4 am.
Fair and very pleasant. Moderate breeze from E & N. Under topsails, topgallant sails, and foresail, and on course, N. E. N. during watch. Maximum roll, 10°. Moon set at 2:50.

J. F. Berry
Lieut. U.S.N.

4 to 8 a.m.
Fair and pleasant. Moderate to gentle E & S E breezes. Course N. E. N. (p. c.) Maximum roll 12° Under jib and square sails. At 6:45 sighted a sail a little abaft port beam, standing to S. and W.

C. M. Fahs
Lieut U.S.N.

8 a.m. to meridian.
Fair and warm. Gentle E. N. E. breeze. Barometer falling slightly. Ship rolling easily. At 9:30 mustered at quarters, after which the Commander inspected the ship with the crew at quarters. At 10:30 held Divine Service. At 11:30 lost sight of sail on starboard quarter. On course at end of watch [illegible] sail as in previous watch. Maximum roll, 10°.

Ensign, U.S.N.

meridian to 4 p.m.
Clear and pleasant. Gentle to moderate breezes from E. N. E. At 12:30 changed course to S. W. x W. 3/4 W. (p. c.) At 1:15 Chaplain held divine services. Ship rolling easily. Maximum roll 8°. At end of watch on course S. W. x W. 3/4 W. (p. c.) patent log 103.8. Under topsails, topgallant sail, foresail, and jib.

F. M. Bennett. Ensign, U.S.N.

4 to 6 p.m.
Clear and pleasant. Gentle to moderate E. N. E. ly breezes. Barometer rising. Maximum roll 7°. At 5:15 mustered at quarters, followed by prayers. Raised smoke stack. At end of watch on course S. W. x W. 3/4 W. (p. c.). Log 12.0, under same sail as in previous watch.

Ralph Earle,
Ensign. U.S.N.

6 to 8 p.m.
Clear and pleasant. Moderate breeze from E. N. E. Under same sail as in previous watch, and on course S. W. x W. 3/4 W. Maximum roll 12°.

J. F. Berry
Lieut. U.S.N.

8 p.m. to midnight.
Fair and pleasant. Bright moon light. Moderate breeze from E. N. E. Course, S. W. x W. 3/4 W. (p. c.). Under jib, and square sails. Maximum roll, 10°.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lt Navigator.

4-889

LOG of the UNITED STATES *Training Ship Essex* **Rate,**

Making passage from Norfolk, Va., to Trinidad, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1	5	5	49.7	S.W. x W. 3/4 W.	E.N.E.	4	4°-6°	0	30.21	79	78	75	79	b.c.	cu.	7	S
2	5	5	55.2	"	"	4	6° 5°	0	30.20	78	78	74	79	"	"	7	"
3	5	3	60.5	"	E. x N.	4	12°-15°	0	30.18	78	78	74	79	"	"	7	"
4	5	5	66.0	"	"	4	9°-10°	0	30.17	76	76	74	79	"	"	9	"
5	5	1	71.1	"	"	4	9°10°	0	30.18	78	78	75	79	"	"	5	"
6	4	7	75.8	"	"	4	9°10°	0	30.19	78	78	75	79	"	"	8	"
7	2	8	78.6 / 80.8	S.W. 1/2 S.	"	4	9°10°	0	30.19	78	78	75	79	"	"	8	"
8	7	2	88.0	"	"	4	5°-6°	0	30.20	80	80	76	79	"	"	7	"
9	8	7	96.7	"	"	4	5°7°	0	30.21	81	84	79	79	"	"	7	"
10	9	0	5.7	"	"	4	5°7°	0	30.21	81	87	80	79	"	ci cu	5	"
11	5	6	11.3	"	"	4	4°6°	0	30.22	80	83	79	79	"	cu	9	"
Noon.	9	1	22.4	"	"	3	2°3°	0	30.22	81	86	80	79	"	"	9	"

Position at 8 A. M. { Latitude by / Longitude by } — ° ′ ″ — Disp. of Mag. Fm Nfk. 7675 7776

Position at noon: { Latitude by observation — 12° 5′ 00″ N. / Longitude by ~~observation~~ bearings — 61° 26′ 00″ W. / Latitude by D. R. — ° ′ ″ / Longitude by D. R. — ° ′ ″ }

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 136.3 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } — ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 900 "

Coal consumed during the preceding 24 hours, 4 tons, 1020 lbs.

Coal remaining on hand at noon, 101 " 395 "

P. M.																
1	7	8	91.5	S.W. x S.	E. x N.	3	2°3°	0	30.21	81	87	80	79	b.c.	cu.	9	S
2	7	3	98.5	S.W. x S.	"	3	2°3°	0	30.19	81	86	80	79	"	"	8	"
3	6	5	104.0	"	"	3	2°3°	0	30.19	81	86	80	79	"	"	8	"
4	9	0	56.0	Various	"	2	2°3°	0	30.19	85	86	83	80	"	"	8	"
5				"	"	3	0		30.18	84	85	80	80	"	"	7	"
6				East	"	2			30.16	87	80	79		"	"	5	"
7				"	"	1			30.14	81	76	75		"	"	9	"
8				E x N.	N.E.	1			30.14	80	77	75		"	"	9	"
9				N. x E.	"	0			30.14	80	77	75		"	"	5	"
10				"	Calm	0			30.14	80	77	75		bcp	cu-s	5	"
11				N.W.	N.E.	1			30.14	79	76	74		be	ci	5	"
Mid.				"	"	1			30.14	79	76	74		"	"	5	"

4—265

under the command of Commander Frank Courtis, U. S. Navy,

Monday, January 23, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m. Fair to clear and pleasant. Moderate breeze from E.N.E. to E.x.N. Barometer falling slowly. Moored at 3.40. Ships rolling moderately, maximum 20°. At 3 started fires under the lighters. At end of watch on course, under same sail as in previous watch.

Ensign, U.S.N.

4 to 8 a.m. Clear and pleasant. Moderate breeze from E.x.N. Ship rolling easily, maximum roll 10°. At 5.30, sighted Diego Isld., bearing E. 3/4 S. At 6.30 changed course to S.W. 1/2 S. (Pts C). At 7.10 hauled up and checked headway and coupled up screw. At 7.15 started ahead on engines. At 7.35 set staysails and main trysail. At end of watch on course S.W. 1/2 S., patent log 88. Ships under topsails, topgallant sails, foresail, jib, fore and main topmast staysails, and main trysail. Average steam pressure 56 lbs. average revolutions 49.

K. M. Bunnell
Ensign, U.S.N.

8 a.m. to meridian. Clear and warm. Moderate to gentle E.x.N'ly breeze. Barometer steady. Maximum roll 6°. At 8.30 commenced distilling. By order of Commdg. Officer did the following:- released P. McCarty, Lds. from confinement, his term having expired; - assigned the following Quarters:- Wm. Zachary, mess att. for causing an and refusing to obey an order of the Ward-room Steward, 3 days solitary Confinement on bread and water; M.R. Burg, C.C. Hargraves, Wm. Kemp, apps. 3 cl., clothing in Lucky bag, 4 hours extra duty; R. Faahange, O.M., 2 cl., F.W. Thelen, sea., J. Robinson, mess att., clothes in Lucky bag, reduced to 2d class; - and placed Wm. Zachary, mess att., in solitary confinement for 3 days on bread and water, in accordance with preceding punishments; At 9.35 sounded to general quarters. Divisions reported ready in following times:- 1st, 8 1/2 min.; 2d, 6 min.; 3d, 6 min., 4, 8 min., Powder, 6 min.; Nav. 8 1/2 min. At 10.25 sounded cease, with following times:- 1st, 3 min., 2d, 9 1/2 min., 3d, 6 min., 4th, 8 min., Powder, 6 min.; Nav. 8 1/2 min. At 11.00 took in main topmast staysail and main trysail (abaft and set below main topmast staysail. At 11.30 set clock back 7 minutes. Sighted Island of Trinidad at 9.00 bearing from S.W. to South. At end of watch under steam, and following sail:- jib, fore topmast staysail, foresail, topsails and topgallant sails; On course S.W. 1/2 S. (Pts C), log 20. At. Steam Tel. No. rev. 48. Dispatch P. McCarthy Ropstuimkr. to Yeoman, for general incompetency.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m. Clear and warm. Light to gentle breeze from E.x.N. On course S.W. 1/2 S. until 1, when the course was changed to S.W. x S. At 2.00 the ship stood in on various courses until 3.00 when she passed through Boca de Huevos and stood up for anchorage at Port of Spain. Took in and furled all sail at 3.00 and made preparations for entering Port. At. Steam 60 lbs. Av. revolutions 47. Distilling.

F. Lowry
Ft. U.S.N.

4 to 8 Fair and pleasant. Gentle light breeze from E.x.N. Standing in for anchorage, the navigator conning. At 4.50 came to with port anchor in 4 1/2 fathoms, moored to 20 fathom chains. Bearings at anchor, Ship's Head E. by E. 1/4 E. Trinity church N. 61° E. Royal Hospital wharf N. 90° W. Church on hill N. 67° E. At 5 fires dies out under Boilers 3 & 4 distilling with Boiler 1. Fired salute of 21 guns, with British Ensign at fore. The health officer came alongside and granted pratique.

C. M. Fahs Lieut. U.S.N.

8 p.m. to midnight. Fair and clear and pleasant. Calms and N.E. airs. Barometer steady. Distilling.

Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lt
Navigator.

4-885

LOG of the UNITED STATES Training Ship Eagle **Rate,**

at anchor off Port of Spain, Trinidad

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.																	
1				N. x E.	N.W.	1			30.14	81	78	78	73	bc	cu	7	
2				"	"	1			30.14	81	78	78	73	"	"	7	
3				N.N.E.	"	1			30.13	81	78	78	73	"	"	7	
4				"	"	1			30.13	81	78	78	73	"	"	8	
5				N.N.W.	Calm	0			30.14	78	75	75	73	"	"	8	
6				N.W.	"	0			30.13	75	75	75	72	"	"	7	
7				"	"	0			30.15	76	75	75	72	"	"	8	
8				"	"	0			30.17	76	76	76	74	"	"	7	
9				"	"	0			30.20	79	81	81	78	"	"	7	
10				East	"	0			30.24	84	84	81	80	"	"	6	
11				N.E.	N.E.	1			30.24	87	84	84	78	"	"	7	
Noon.				East	"	3			30.23	81	80	80	77	"	"	7	

Position at 8 A. M. { Latitude by ° ′ ″ Temps of Neg. for apt.
Longitude by ° ′ ″ 77.75 77-77

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 32C miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, 3 tons, 1910 lbs.

Coal remaining on hand at noon, 97 725 "

P. M.																	
1				E.N.E.	E x N.	4			30.19	83	82	76		bc	Cu N	8	
2				"	"	4-5			30.17	84	84	78		"	"	6	
3				E x S.	East	4			30.16	84	85	78		"	Cir.	6	
4				"	"	4			30.13	83	84	78		"	"	6	
5				"	"	3			30.13	83	84	78		"	"	6	
6				"	"	2			30.13	84	82	77		"	"	4	
7				"	"	1			30.15	82	78	75		bc/o	Cu N.	4	
8				E.S.E.	Calm	0			30.15	84	78	75		bc	"	0	
9				E x S.	E	0			30.14	81	77	75		"	"	3	
10				E N E	East	1			30.18	80	77	75		"	"	4	
11				N.W x W.	Calm	0			30.17	79	76	70		"	"	8	
Mid.				"	"	0			30.17	78	76	75		"	"	8	

under the command of Commander Frank C Curtis, U. S. Navy,

Tuesday, January 24, 1899, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.
Clear and pleasant. Bright moon light. Light airs from N. W.

J M Bennett
Ensign USN

4 to 8 a.m.
Fair and pleasant. Calm. An English and a French mail vessel came into Port

C. M. Fahs
Lieut. USN

8 am to meridian.
Fair to clear and pleasant. Calms, and light to gentle S.E. by breezes. Barometer falling slightly. Engaged in spreading awnings and cleaning side, preparatory to painting outside. Sent an officer ashore to call on the Consul. By order of the Commdg. Officer, A. Gatz app. 3d. was released from confinement, his term having expired. By the same authority, O.E. Hunt. app. 3d., was given 3 days solitary confinement on bread and water, for loud swearing on gun deck, and was placed in the cells. Ward P.E. Thompson, Landsman to Ramsey Payne, vice P. McCarty, elevated for general incompetency.

J M Bennett
Ensign, USN

meridian to 4 pm.
Clear and pleasant. Moderate to stiff breezes from E by S, and East. Shipping to elbs. The Commanding Officer left the ship at 1:45 pm, to pay an official visit to the Governor of the Island. Engaged in cleaning and blacking the side. French Mail steamer left Port at 1:40.

J M Bennett Ensign, USN

4 to 8 pm.
Fair and pleasant. Gentle breezes to light airs from East. Calms. Barometer rising slowly. At 4:15 went to quarters and turned in hammocks. The Commanding Officer returned from his visit to the Governor.

C. M. Fahs
Ensign USN

8 pm. to midnight.
Fair pleasant weather. Calms, and light airs from East. Bright moon light. Swinging to flood between 10 and 11.

J M Bennett Ensign USN

Examined and found to be correct.

E. F. Leiper,
Lt
Navigator.

4-05

LOG of the UNITED STATES Training Ship Essex, Port of Spain, Trinidad **Rate,**

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.W.×W.	Calm	0			30.15	78	76	74		b.c.	p.cu.	7	
2				"	"	0			30.15	78	75	74		"	"	6	
3				N.W.	N.E.	2			30.14	75	75	74		"	"	4	
4				"	"	3			30.14	75	75	74		"	"	4	
5				N.N.W.	"	1-2			30.13	75	75	74		"	"	6	
6				"	E.S.E.	1			30.14	76	75	74		"	"	7	
7				S.S.W.	"	1			30.16	98	78	76		"	cu	6	
8				East	"	1			30.20	79	79	77		"	"	8	
9				"	"	1			30.23	80	79	78		"	"	8	
10				"	East	2			30.23	80	80	77		"	"	7	
11				N.E×E.	N.E.	2			30.23	84	82	79		"	"	6	
Noon.				N.E.	"	3			30.23	84	82	79		"	"	6	

Position at 8 A. M. { Latitude by / Longitude by } o ' "

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } o ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } o ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 1 tons, 1210 lbs.

Coal remaining on hand at noon, 95 1755 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				N.E×E.	East				30.21	84	84	84		b.c.	cu.	6	
2				E. × N.	"				30.17	87	84	83		"	"	5	
3				E × S.	E × S.				30.16	85	84	83		"	"	5	
4				"	"				30.16	84	85	79		"	"	5	
5				"	"				30.15	85	85	78		"	"	6	
6				"	"				30.16	82	79	75		"	"	5	
7				"	"				30.16	82	78	74		"	"	9	
8				E.S.E.	East				30.17	81	78	74		"	"	9	
9				E.N.E.	E.N.E.				30.19	78	77	76		"	"	9	
10				N×E.	"				30.19	78	77	74		"	"	8	
11				"	"				30.19	77	76	73		"	"	7	
Mid.				North	"				30.19	77	76	73		"	"	7	

4—365

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, January 25, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Fair and pleasant. Calm and light N.E. breeze. Barometer falling. English mail steamer left port at 12:45.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m. Clear and pleasant, light airs from N.E. and E.S.E. Barometer rising. Visited ship, launch

Ensign, U.S.N.

8 a.m. to meridian.
Clear and pleasant. Light airs to gentle breeze from E and N.E. Mustered crew at quarters at 10:36. The American Consul visited the ship officially. He was saluted with 17 guns salute upon leaving at 11:30. The aide of the Governor paid an official visit to the Commanding Officer at 11:35. A Board of Survey of articles in the Equipment Department of this vessel, met at 10:15 a.m. G. Reiper, U.S.N. Senior member,

F.M. Bennett Ensign U.S.N.

Meridian to 8 pm.
Clear and pleasant. Light to gentle breeze from E x S. and East. Sent top gallant yards down and unbent sails, at sunset. British mail steamer Solent left port at 6:50 pm. Steamer came in at 7:20.

F.M. Bennett, Ensign, U.S.N.

Meridian to 4 pm
Fair and pleasant. Light E by S and E x S by S breeze. Barometer falling. Exercized royal yard men at loosing and furling royal. Exercized 1st and 2d cutters and dinghy crews, under oars. Had sub-calibre practice (22 cal) at target on lower boom. Broke one extractor, Remington rifle.

Ralph Earle,
Ensign U.S.N.

8 pm to midnight. Clear and pleasant. Light E.S.E by S airs first part followed by gentle E.S.E by S airs last part. Bright moonlight. Barometer steady.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper.
Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex Rate,

Anchor. Port of Spain, Trinidad.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.
A. M.				N. N. W.	S. E.	3			30.16	80	77	75		h.c.	Cu	9	
1				N. W. x N.	"	4			30.18	79	76	75		"	"	6	
2				"	"	1			30.17	81	75	74		"	"	8	
3				"	"	1			30.17	80	75	74		"	"	5	
4				N. W. x W.	"	1			30.17	80	76	74		"	"	8	
5				S. W.	Calm	0			30.18	80	75	74		"	"	8	
6				"	N. x E.	1			30.16	77	74	74		"	"	8	
7				S. S. W.	East	1			30.20	79	78	76		"	"	7	
8				S. W. x W.	S. S. E.	1			30.23	81	76	77		lap	Cu. Nim	3	
9				W. N. W.	North	1			30.20	79	77	75		"	"	3	
10				"	West	2			30.21	83	83	80		lg.	Cu	5	
11				"	"	2			30.21	83	83	80		"	"	5	
Noon.				"	"	2			30.21	83	83	80		"	"	5	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 286 lbs.

Coal remaining on hand at noon, 92 " 1470 "

P. M.																	
1				N. N. W.	N. E.	3			30.20	86	81	76		h.c.	Cu	4	
2				N. x W.	N x E.	4			30.19	84	81	76		"	"	4	
3				"	"	4			30.19	84	81	76		"	"	4	
4				"	"	3			30.18	84	82	76		"	"	4	
5				E. x N.	E. N. E.	1			30.18	79	77	75		"	"	4	
6				"	"	1			30.16	79	77	74		"	"	3	
7				"	N. E.	1			30.18	78	76	74		"	"	7	
8				E.	"	2			30.18	77	77	74		"	"	8	
9				"	"	1			30.17	78	75	74		"	"	8	
10				E. x S.	"	1			30.17	78	76	74		"	"	8	
11				N. N. E.		1			30.16	78	76	74		"	"	8	
Mid.				N.		2			30.15	77	76	74		"	"	8	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, January 26, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Clear and pleasant. Light airs and breezes from North and N.N.E. Bright moon light.

J. T. Drury
Lieut. U.S.N.

4 to 8 a.m.
Clear and pleasant, calms and light airs from N.E. and East. Received in Dept of Supplies and Accounts, fresh provisions as follows: 190 lbs. of beef, 150 lb vegetables, 152 lbs of bread. At 7:45 started to cross royals and top gallant yards, and loose sail.

J. M. Burnett, Ensign, U.S.N.

8 a.m. to meridian.
Fair and pleasant, light passing rain first hour. Light variable airs first half, followed by light N'ly breeze last half. Barometer falling. Crossed light yards and loosed sail at 8:00 At 8:30, mustered at quarters. Commanding Officer assigned the following punishments: J. B. Yates, G. B. Pollard, J. Stag, and E. L. Brewer to do p. o. scl. late in obeying orders to spread awnings 2 hours extra duty. By order of Commanding Officer, released Wm Zachary, mess att. from confinement, his term having expired, and placed H. W. Schlimper, apprl. in solitary confinement aboard ship and water for 3 days, for refusing duty. Crew engaged in setting up rigging and painting side. Port liberty party as per at 11:50 At 11:30 furled sail and sent down royal yards. Carried away starb'd fore yard lower. Port for to mast stay at the pin while setting it up. Started work on a new one, using the left of

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Cloudy and pleasant. Light breeze from N.E. and N.N.E. During watch instructed boys at bending and furling royals and in getting yard ready for sending up and down.

J. T. Drury
Lieut. U.S.N.

4 to 8 p.m.
Fair, to cloudy and pleasant. Light E.N.E'ly to N.E'ly airs and breezes. Barometer steady. Moon rose at 6.0'c. Lowered pinnace at sea. Port liberty party as per. 1st, 2d, 3d and 4th cutters crews were exercised under oars. Liberty party of apprentices returned at 6:00. At sundown sent down top gallant yards. Took off steaming covers. At 7:00 the Chaplain held evening prayers. English mail steamer left harbor.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Clear and very pleasant. Bright moon light. Light airs from N.E.

J. T. Drury
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lt.
Navigator.

4—885

LOG of the UNITED STATES *Training Ship Essex* **Rate,**

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				North	N.E.	1			30.14	76	76	74		b.c.	cul	8	
2				N.W.	"	1			30.14	76	75	74		"	"	8	
3				N.W.×N.	"	1			30.13	76	74	74		"	"	8	
4				"	"	1			30.14	76	74	74		"	"	8	
5				N.×W.	"	1			30.14	75	74	73		"	ci cu	6	
6				N×E	calm	0			30.14	76	76	73		"	cu	6	
7				East	N×E	1			30.15	78	79	77		"	"	7	
8				"	S.E.	1			30.19	79	80	78		"	"	7	
9				"	"	1			30.19	80	80	78		"	"	7	
10				S.E.×S.	"	1			30.19	80	78	77		"	"	3	
11				"	E.S.E.	2			30.19	81	79	78		"	"	3	
Noon.				"	"	3			30.19	81	81	79		"	"	3	

7.54

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, tons, 700 lbs.

Coal remaining on hand at noon, 94 " 770 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																	
1				N. N. E.	East	2			30.15	86	81	76		b.c.	cul	8	
2				E×N.	"	3.5			30.19	80	79	76		"	"	2	
3				E.N.E.	"	3			30.12	81	80	77		"	"	3	
4				E.b.E.	"	3			30.12	86	82	76		"	"	4	
5				East	"	2			30.12	87	87	71		"	"	3	
6				"	"	2			30.12	87	87	71		"	"	3	
7				E×S.	"	2			30.13	80	86	70		"	"	8	
8				"	"	1			30.14	79	86	70		"	"	8	
9				E.b.E.	"	1			30.15	79	77	75		"	"	9	
10				E.	"	2			30.14	77	76	75		"	"	9	
11				North	N×E	1			30.16	78	75	74		"	"	9	
Mid.				N. N. W.	"	1			30.16	79	77	76		"	"	9	

under the command of Commander Frank Curtis, U. S. Navy,

Friday, January 27th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear and cool. Light N.E.ly airs, bright moonlight.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Fair and pleasant. Calms and light variable airs. Barometer rising. Bright moonlight first half. Received in Pay Dept., 190 lbs. fresh beef, 190 lbs. fresh vegetables, 85 lbs. of fresh bread. Dutch mail steamer came in at 7:30. At 8.00, crossed topgallant and royal yards.

Ralph D. Earle,
Ensign, U.S.N.

8 a.m. to meridian.
Cloudy and pleasant. Light airs to gentle breezes from S.E. and E.S.E. At 9:46 went to general quarters, the divisions reporting ready as follows: 1st, 2d, and Powder, 9.50, Navigator 9.50 p.m., 2d, 9.51, 3d, 9.51 p.m. Boarded, secured at 9.52 p.m. Divisions reporting to the following order: Powder, navigator, and 1st, 9.55, 3d and 4th, 9.57, 2d 9.58 p.m. The commanding officer awarded the following punishments: W. E. Bowen, ape. sc. to stand 2 days at bilge pump for stowing and failing to man bilge pump. By order of Commdg. Officer rebuked O. E. Hurst, app. 3 cl. his term of enlistment having expired. Absentees, James Roach, painter, and Albert Connelly, ship's cook 2d cl. The latter returned on board at 11.30, Hurst, duty and quarterboms, and was placed in confinement till he should get sober. Exercised boys at sub-calibre rifle practice, and in braving the brake. Sent 1st and 2d part of port watch of boys on shore for run down liberty. Engaged in fitting new fore topmast stay.

J. F. Dewey
Lieut. U.S.N.

meridian to 4 p.m.
Cloudy and pleasant. Light to stiff breeze from East. Exercised 2d division apprentices at leaving the brake, and 3d division at signals. Working on new fore topmast staysail stay. Tested magazine and shell room flood cocks, and found them in good condition. Sent out 1st, 2d, 3d and 4th cutters for rowing exercise. At 4.00 the English steamer Savan, and the Dutch steamer Prins Maurits came in and anchored. Overhauled battery.

C. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Cloudy and pleasant. Light breeze from East. Steady Barometer. A board of which Lieutenant T. E. Drewry is senior member, met to survey articles in Equipment Navigation. A. Connelly, Ships Cook 2d class, having become sober, was released from confinement. Moon rose at 6.46.

J. F. Dewey
Lieut. U.S.N.

8 p.m. to midnight.
Clear and pleasant. Light airs and breezes from East and N.N.E. Bright moonlight.

W. M. Bennett, Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper,
A. N., Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor. Port of Spain. Trinidad.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. W.	N. x E.	1			30.15	77	77	75		b c	cu.	6	
2				"	"	1			30.14	77	76	75		"	p. cu	4	
3				"	"	1			30.13	77	76	75		"	cu/s	4	
4				"	"	1			30.14	76	76	76		b c p.	"	3	
5				"	"	1			30.14	77	75	73		b c.	"	5	
6				N x E.	"	1			30.12	77	75	73		"	"	6	
7				N E x N.	"	1			30.13	79	75	74		b c p.	"	4	
8				"	"	1			30.17	79	78	77		b c.	"	6	
9				"	"	1			30.17	80	76	77		"	"	6	
10				"	"	2			30.16	81	80	78		"	"	2	
11				S E.	East	2			30.21	81	86	81		"	"	3	
Noon.				"	"	2			30.21	81	86	81		b c p.	"	1	

7.57

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 870 lbs.

Coal remaining on hand at noon, 93 " 2140 "

P. M.				Barom.	Ther.							
1	East	East	2	30.13	85		86	84	b c p.	cu.	4	
2	E. S. E.	E. S. E.	3	30.15	85		83	79	"	"	4	
3	S. E.	"	3	30.15	86		85	81	"	"	4	
4	"	East	4	30.15	86		84	78	"	"	2	
5	"	S. E.	2-4	30.15	80		77	75	"	cu/s	1	
6	"	East	3	30.15	77		76	75	"	"	4	
7	E S E	"	2	30.16	77		77	75	b c.	p cu	3	
8	S E x E	"	1	30.16	78		77	75	"	cu	5	
9	"	"	2-5	30.17	78		77	74	b c p.	"	3	
10	"	E x S.	2	30.18	78		77	73	cu.	"	5	
11	S. S E.	"	1	30.18	77		76	74	"	"	5	
Mid.	S E.	"	1	30.18	77		74	71	b c p.	"	2	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, January 28, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

commences and until 4 a.m.
Fair and pleasant. Light N x E ly airs. Barometer fluctuating

W. Chase
Ensign U.S.N.

4 until 8 a.m.
Fair and pleasant. Light airs from N x E. French Steamer St Laurente came in at 6

T. Drury
Lieut U.S.N.

6 am to meridian.
Cloudy and pleasant, light airs from N x E and East. Received in Pay Dept for crew, 190 lbs each of fresh beef and vegetables, and 152 lbs of bread. The Commander awarded the following punishments. Pvt Costello. app'd, reduced to 2d class for smoking. A. Conelly, Sl. 2c. 2 cl. shows over leave, and returning on board drunk, reduced to 3d Class. R. Simis. qrs. 2 cl., drunk on duty, reduced to 4th class. D. Robinead. app'd cl., refusing to obey orders of Master-at-Arms, and very slow in obeying orders of the Officer of the Deck. 5 days solitary confinement on bread and water, and he was so confined. Crew engaged in cleaning ship.

C. M. Fahs
Lieut U.S.N.

meridian to 4 p.m.
Pleasant and pleasant with occasional passing rain showers. Light to gentle breeze from East to E.S.E. Barometer falling first hours, steady last three. American and Russian Engineers left the port. Received the following stores. Ordnance equipment, 20 lbs seizing wire. Ordnance instruction, 8 doz Cup Hooks, assorted sizes, 8 doz. Screw eyes, assd. sizes, 50 lbs Dry yellow ochre. Bureau Engineering Dept. 100 lbs. Sal Soda. in Equipment (navigation) 20 lbs of cotton waste. Royal Dutch Mail Steamer left the Port.

W. Chase
Ensign U.S.N.

4 to 8 p.m.
Cloudy and pleasant. Occasional rain squalls. Gentle breeze to light airs from S.E. to East. The N.M. Str. St Laurent put to sea.

C. M. Fahs
Lieut U.S.N.

8 p.m. to midnight.
Fair to cloudy. Gentle to moderate breeze from East and E x S. Barometer steady. Frequent rain showers and squalls first two hours.

W. Chase
Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lt. Navigator.

LOG of the UNITED STATES Training Ship Essex, **Rate,**

Port of Spain, Trinidad.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.A.E.	East	2			30.17	75	75	74		b.c.	Cu cu	7	
2				N W x N.	E.N.E.	1			30.15	75	75	74		"	"	8	
3				"	N.E.	1			30.14	74	75	74		"	cu.	9	
4				"	N.N.E.	1			30.15	74	75	74		"	"	9	
5				N.W.	"	1-2			30.14	74	74	73		"	"	8	
6				"	"	1			30.16	74	74	73		"	"	7	
7				N x E	"	1			30.19	76	74	73		"	"	8	
7.54 8				N.E.	"	1			30.23	81	78	76		"	Cu cu	7	
9				E.S.E.	E x S.	1			30.26	81	79	76		"	"	7	
10				S E x S.	E.S.E.	2			30.26	83	81	77		"	cu	6	
11				E.S.E	"	3			30.26	87	82	78		"	"	6	
Noon.				"	East	2			30.25	89	84	79		"	"	6	

Position at 8 A. M.: Latitude by ° ′ ″ Temperature of Mag.

Longitude by ° ′ ″ For Aft

° ′ ″ 79.78 79.78

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, tons, 870 lbs.

Coal remaining on hand at noon, 93 " 1270 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				East	East	2			30.21	92	85	80		b.c	cu.	4	
2				North	N.E.	2			30.20	82	84	80		b.c.f.	cu.n.	4	
3				E x N.	E x N.	3-6			30.18	84	84	77		"	"	4	
4				N.N.E.	E.N.E.	3			30.13	83	82	77		"	"	4	
5				E.N.E.	East	2			30.16	84	82	77		b.c	cu	6	
6				East	E x S.	2			30.16	81	80	76		"	"	4	
7				"	"	1			30.17	81	79	76		"	"	4	
8				"	Calm	0			30.18	79	78	76		"	"	4	
9				E x S.	E.N.E.	1			30.20	79	77	75		"	"	8	
10				"	"	1			30.20	79	77	75		"	"	8	
11				"	N.E x N.	1			30.20	78	76	74		"	"	8	
Mid.				N.N.E.	"	1			30.20	78	76	74		"	"	7	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday January 29, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear and pleasant. Light airs and breezes from East to N.E. Swinging between 12 and 1 a.m. Bright moonlight.

F.M. Bennett, Ensign, U.S.N.

4 to 8 a.m.
Fair and pleasant. Light N.N.E'ly airs.

C.M. Fahs
Lieut. U.S.N.

8 am. to meridian.
Fair and warm. Light variable breezes. Barometer steady. At 9:30 mustered at quarters. Absentee, J. Coach, painter. W.W. Crawford, B.M. 1cl. J.W. Fischer, 6th G.M., F.H. Ruschmann, Oiler, J.O. Sterman, Oiler, P. Anderson, S.C. 1cl. F.C. Robbins, C.T., William White, ord., J. O'Brien, fireman. After muster the Commander inspected the ship, and crew at quarters. Sent liberty party of boys ashore. The Commander assigned the following punishments: Horn, A.J. app. 3cl. disrespectful language to Master-at-Arms, 3d class. Nau. T. app. 3cl. Boys, C.F. app. 3cl. Power, D. app. 3cl. failing to clear gun deck when ordered, each 8 hours extra duty. Hunt, O.E. app. 3cl. returning drunk from liberty, 4th class. Roy, C.J. app. 3cl. same offence, 5 days solitary confinement on bread and water. Longan, J.E., same, 2d class. Drunk. J.J., same, and noisy, 2d class. Sechrist, R.W., loafing and inattentive to orders, 8 hours extra duty. Campbell, A.F., bringing a quarrel aboard ship, deprivation of liberty on next port. The chaplain held divine services at 10:30. By order of the Commander, H.W. Schlimper, app. 3cl. was released from confinement, and C.J. Roy, app. 3cl. was confined for 5 days solitary confinement on bread and water, for returning from liberty drunk.

F.M. Bennett
Ensign, U.S.N.

meridian to 4 p.m.
Partly cloudy. At 2:30 fresh passing squalls with light rain. Light to fresh breezes from East to N.E. Sent liberty party ashore at 1:15. At 3:15 Cd. Master-at-Arms brought Phillip Anderson, S.C. 4cl. on board, clean and sober, 3½ hrs. overtime. The chaplain held divine services.

F.M. Bennett, Ensign, U.S.N.

4 p.m. to 8 p.m.
Fair and pleasant. Light E'ly breeze. Barometer rising. Liberty party of boys returned, three absent over leave. G.H. Miller, app. 3cl., M. Sullivan, app. 3cl., C. Fubb, app. 3cl. N.R. King, app. 3cl. returned on board drunk and disorderly, and by order of the Commander was placed in double irons to sober up. At 7 held prayers.

F.M. Bennett
Ensign, U.S.N.

8 p.m. to midnight.
Clear pleasant weather, bright moonlight. Light airs from E.N.E. and N.E. & N. Moon rose at 8:30. At 8:45 the following named men returned on board, overtime from liberty: W.M. Crawford, B.M. 1cl. 3½ hrs., J.W. Fischer, 6th G.M. 3½ hrs, and F.H. Ruschmann, Oiler, 3½ hrs.

F.M. Bennett, Ensign, U.S.N.

Examined and found to be correct.

F.F. Lieper,
Lt. & Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

Port of Spain, Trinidad W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hepl.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. E.	Calm	0			30.18	81	78	74		b.c.	cu	3	
2				"	East	1			30.18	79	76	74		"	"	3	
3				N.	N.E.	1			30.17	76	75	73		"	"	4	
4				N.N.W.	N.	1			30.16	75	74	73		"	"	3	
5				N.W x W.	N.N.E.	2			30.17	74	75	74		"	"	2	
6				N.N.E.	N.E.	2			30.14	75	75	72		b.c.p.	cir	3	
7				N x W.	N.	1-3			30.14	78	76	73		b.c.	cu	8	
8.				E.	"	1			30.20	80	78	75		"	"	7	
9				East	N.N.E.	1			30.24	83	79	76		"	"	6	
10				"	"	1			30.24	83	79	76		"	"	6	
11				N.E x E.	N.E x E.	1			30.23	83	83	78		"	"	6	
Noon.				"	"	1			30.20	85	84	81		"	"	7	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 900 "

Coal consumed during the preceding 24 hours, tons, 1250 lbs.

Coal remaining on hand at noon, 93 " 20 "

P. M.															
1				N. N.E.	N.E	2			30.18	84	83	77		b.c.p.	cu.n	6	
2				North	"	2			30.17	83	82	77		b.c.	"	6	
3				N.E.	East	1			30.15	82	82	76		"	cu	7	
4				N.E x N.	"	3			30.13	83	82	77		"	"	9	
5				N. x E.	E.N.E	3			30.14	83	82	77		"	"	7	
6				"	"	3			30.16	80	80	76		"	"	7	
7				"	"	3			30.14	80	79	75		"	"	6	
8				N.E.	"	1			30.14	79	79	75		"	"	6	
9				E.N.E.	N.E	1			30.16	77	76	74		"	"	7	
10				E. x N.	N.N.E	1			30.16	77	74	74		"	cir	6	
11				"	East	2			30.16	76	75	73		b.c.p.	cu.n	1	
Mid.				E x S.	"	1			30.16	76	74	72		"	"	3	

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, January 30. , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

commences & until 4 a.m. Cloudy and pleasant. Calms and light variable airs. Bright moonlight. Barometer falling slightly. P. R. Robbins, C.Q., returned from liberty, 4½ hrs over time.

Joseph Earle, Ensign, U.S.N.

4 to 8 a.m. Fair and pleasant. Light variable breezes. Barometer rising. Loosed sail, and crossed royal yards. English barque got under way. Following men and boys returned from liberty overtime: J. O. Brien, oiler, 2½ hrs., W. White, cox., 2½ hrs., C. Gelle, appcl., A. Sullivan, G. H. Miller, app 3cl. 1½ hrs.

Ensign, U.S.N.

8 a.m. to meridian. Fair and pleasant, light airs from N.N.E. and N.E. & E. At 9:30 J. Roach, painter, and J. J. O'Brien, fir. 1cl., returned on board, overtime from liberty. At 9:31 went to general quarters. The divisions reporting ready in the following time. 1st, 3 min., 2d, 3 min., 3d 4 min. 4th 5½ min. navigator, did not report, powder div. 5½ min. At 9:36¾ sounded secure, the divisions reporting secure in the following time, 1 div. 1¼ min., 2d Div. 5½ min., 3d div. 4½ min. 4th div. 4½ min., powder 2 min., nav. 0½ min. At 10:00 sent boat cutters for exercise, with arm and away crews. At 11:00 sighted U. S. S. Wilmington. At 11:30 furled sail.

J. M. Burnett, Ensign, U.S.N.

meridian to 4 p.m. Generally fair and pleasant, with light passing showers first hour. Light N.E. by E. breezes first two hours, followed by gentle to moderate E. by S. breezes last two hours. Barometer falling. Commenced distilling at 1:30. At 1 exchanged numbers and signals as below with U.S.S. Wilmington. U.S.S. Wilmington came to anchor at 1:10 p.m., Commanding officer paid an official visit to the American Minister to Venezuela, on board the Wilmington. At 2:05, Wilmington fired a salute of 15 guns to the Minister. Exercised 4 div. at heaving the lead, and 2d at crossing and sending down the main royal yard. By order of commdg. officer, P. H. Nelson, seaman, was this day given an acting appointment as G. M. 3cl. to date from Jan. 1, 1899. By order of the commdg officer the pay and ratings of the following named men, who have been absent over leave were this day checked:- P. Anderson, S.C. 1cl., 32 p. per hrs. J. W. Fischer, 6th G.M. 3d p. hrs., W. M. Brandford, B.M. 1cl, 37 p. hrs., P. H. Kuselman, oiler, 37 p. hrs., P. R. Robbins, coal passer, 4 hrs, J. O. Brennan, oiler, 24 hrs, W. White, cox., 24 hrs; J. Roach, painter, 74 p. hrs, J. O. Brien, fir. 1cl, 26 p. hrs.: Setting up fore & mast rigging, and making new fore topmast stay. Signals: at 12:50 Wilmington to Essex, correct, 378; at 12:53, Essex to Wilmington, correct, 168; at 12:55 Wilmington to Essex, Teleg. American minister on board would be glad to see convoy - Commdr. F. Courtis, U.S.N. - officer - ur - anchor. Also at 102, interrog. - permission to anchor, at 1:03, Essex to Wilmington affirmative at 1:05, Teleg. - thanks - will come.

Joseph Earle, Ensign, U.S.N.

4 to 8 p.m. Clear and pleasant. Gentle breezes to light airs from E.N.E. At 5:20 sent down light yards. Hoisted steam cutter on rail, and made preparations for getting underway in morning. The commander assigned the following punishments: E. J. Dike, app. 3cl, stop in ship's liberty 4 hrs extra duty, N. L. Ross, appcl returning from liberty tight and rosy, 5 days stop liberty & water, J. W. Fowler, W. M. Crawford, P. Kuselmann, oilers, W. White, cox., J. O'Brennan, oiler, W. H. Webb, appcl, G. H. Miller, app 3cl. 1½ hrs. M. Sullivan, app. 3cl. 1½ hrs; J. Roach, painter, 74 p. hrs, J. O. Brien, 26 p. hrs, P. R. Robbins, c.p. 4½ hrs., each 4th class; R. Bennett, app. 3cl., stop liberty at boat falls; T. J. Costello, refusing to obey an order, H. C. Rocka, appcl and N. S. Camp Bell, app 3cl. creating disturbance at mess formation, G. H. Miller, appcl, and W. M. Holt, app. 3cl., creating disturbance in Gun deck, each 4 hrs extra duty.

J. M. Burnett, Ensign, U.S.N.

8 p.m. to midnight.
Cloudy and pleasant, with light rain last two hours. Light variable airs to light E. by S. breezes. Barometer steady. Moon rose at 9:20. Distilling.

Joseph Earle, Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper, Lieut. Navigator.

6-005

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor. Port of Spain. Trinidad

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.E. x N.	North	4			30.14	78	77	73	73	b.c	cu.st	4	
2				N.N.W.	"	4			30.16	78	77	73	73	"	"	2	
3				N.W.	"	1			30.14	78	77	73	73	v.c.	"	0	
4				"	"	1			30.13	78	77	73	73	b.c.	"	4	
5				"	"	1			30.12	76	74	73		"	cu.	6	
6			61.1	"	"	1			30.14	79	79	76		"	"	7	
7	9	2	642	S.W. by W.	"	1			30.14	79	79	78		"	"	7	
7.54 8	3	4	697	S.W.	N.N.E.	1			30.14	79	78	76		"	"	8	
9				E.S.E.	East	3			30.14	84	80	76		"	"	9	
10				S.E. x E.	"	3			30.14	83	80	76		"	"	8	
11				"	"	3			30.14	80	80	76		"	"	8	
Noon.				"	"	3			30.15	80	80	76		"	"	7	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, 7 tons, 1010 lbs.

Coal remaining on hand at noon, 90 " 1250 "

P. M.																	
1				East	E.N.E.	4			30.14	85	80	82		b.c.	cu.	7	
2				E.N.E.	"	4			30.13	86	85	83		"	"	6	
3				N.E.	"	3			30.12	82	80	77		"	"	4	
4				N.E. x N.	"	3			30.11	81	82	77		"	"	4	
5				"	"	4			30.13	80	81	76		"	"	8	
6				"	"	4			30.12	80	80	76		"	"	9	
7				E. x N.	"	3-4			30.13	79	79	76		"	"	9	
8				East	"	3-4			30.15	79	79	76		b.	rain	10	
9				"	"	2			30.16	79	78	75		"	cu.	7	
10				S.E. x E.	"	2-3			30.16	78	74	72		"	"	7	
11				E.S.E.	"	2-4			30.16	80	78	71		b.c.p.	"	6	
Mid.				"	N.E.	3			30.16	80	78	71		"	cu.n.	4	

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, January 31st , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy, but pleasant. Light airs and breezes from North. At 1 started fires under boiler D. Distilling

T. L. Drury
Lieut. U.S.N.

4 to 8 a.m.
Clear and pleasant. Light airs from North. Making preparations for getting under way. Tried engines bell and whistles. At 6:50 called in anchor and got underway. Took anchor stood out to South west. Went ahead full speed at 6:30. Put out patent log at 6:15, reading 61.1. Slowed down at 750, stopped at 7.55.

F. M. Bennett Ensign, U.S.N.

8 a.m. to meridian.
Fair and pleasant. Gentle E'ly breezes. Barometer rose slightly. At 8:05 came to anchor in 12 fms. of water, anglos of anchorage, Ft. Prouge to East Diego Told. 17°29', East Diego to light house, 39°45'. 4 fathoms Port chain at waters edge. Banked fires under Boiler D. and continued distilling with same boiler as before. At 8.30 commenced sub-calibre practice, using 4" and 6 pdr. with 1st and 3d divisions. At 9:30 second division commenced small arm rifle practice. At 10:30 3d division commenced revolver practice, and 4th division commenced sub-calibre practice with 6 pdr. Ceased firing at 11:45

Rogers Carle,
Ensign U.S.N.

meridian to 4 p.m.
Fair and very pleasant. Light to gentle breeze from E. N. E. At 1 continued rifle and pistol target practice, and sub calibre practice with 4 in. guns. Distilling.

T. L. Drury
Lieut. U.S.N.

4 to 8 p.m.
Fair and pleasant. Moderate to gentle E. N. E. ly breezes. Barometer falling. 1st, 2d, 3d, and 4th division engaged in target practice, with rifle, revolver, and sub-calibre. Ceased firing at 5.57. At 7.20 the Chaplain held evening prayers. Distilling.

Rogers Carle
Ensign, U.S.N.

8 p.m. to mid night.
Clear and pleasant. Light to gentle breezes from E. N. E and N. E. Distilling.

T. L. Drury
Lieutenant, U.S.N.

APPROVED.
Frank Courtis
COM'D'R., U. S. N., COM'D'G.

Examined and found to be correct.

F. F. Leiper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex **3d Rate,**

At anchor off Fort of Spain, Trinidad

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E x N	E x N	2-3			30.15	77	76	74		b.c.p.	cu.n.	8	
2				E N E	East	3			30.14	76	77	75		"	"	2	
3				N E x N	"	2			30.11	75	76	75		b.c.	cu.	7	
4				N.N.E.	E N E	2			30.11	75	76	75		"	"	9	
5				North	"	2			30.12	76	76	74		"	"	8	
6				N x E	"	2			30.14	76	77	73		"	"	7	
7				E N E	E x N	2			30.15	78	78	75		"	"	7	
8				E S E	East	3			30.17	81	80	75		"	"	8	
9				S E x E	E N E	3			30.19	79	79	75		"	"	9	
10				"	"	3			30.20	81	79	75		"	"	8	
11				S. E.	"	2			30.22	81	80	76		"	"	8	
Noon.				"	"	1			30.23	85	87	78		"	"	9	

7.54

Position at 8 A. M.: Latitude by ° ′ ″ Temp. of Mag. for Mt.

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″ 81.79 : 80.79

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 1 tons, 1920 lbs.

Coal remaining on hand at noon, 58 " 1570 "

P. M.																	
1				E.N.E.	E.N.E	1			30.22	85	83	80		b.c	cu	7	
2				N.E.	"	1			30.21	85	83	80		"	"	7	
3				N.N.E.	"	1			30.20	87	83	76		"	"	8	
4				North	"	1			30.20	85	84	80		"	"	7	
5				N.N.E	"	1			30.21	84	83	79		"	"	6	
6				"	"	1			30.21	83	83	78		"	"	6	
7				N E x E	"	1			30.21	81	81	77		"	"	6	
8				E N E	"	1			30.22	79	79	76		"	"	6	
9				"	"	2			30.22	79	79	76		"	cu.n.	8	
10				E x S	N N E	2			30.23	79	78	75		"	"	8	
11				"	"	2			30.23	79	78	76		"	"	6	
Mid.				"	"	2			30.24	79	78	76		"	"	7	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, February 1st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy to fair and pleasant. Light passing showers first half. Light to gentle breezes from East and E.N.E. Distilling.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Fair and pleasant. Light to gentle breezes from E.N.E, East, and E.x.N. Barometer falling. Distilling.

Ragnhild Carle,
Ensign. U.S.N.

8 am to meridian.
Clear and pleasant. Light airs to gentle breezes from E.N.E. At 8:15 began target practice with rifles and pistols, and at 9:30 began with 6 pdrs and 1 pdrs. Continued firing till 11:45, when we stopped for dinner. Distilling.

J. F. Luby
Lieut. U.S.N.

meridian to 4 p.m.
Fair and warm, light airs from E.N.E. Firing at divisional target practice with rifles, revolvers, and with the 1 pdr. and 6 pdr. Distilling.

C. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Fair and very pleasant. Light airs from E.N.E. Stopped firing at targets at 5:45. Distilling.

J. F. Luby
Lieut. U.S.N.

8 p.m. to mid night
Clear and pleasant. Light breeze from E.N.E. to N.N.E. Distilling.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

F. F. Lorpen
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor off Port of Spain. Trinidad.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.E.	N.N.E.	4			30.23	78	77	75		b.c.	Cu	5	
2				"	N.E.	3			30.23	75	73	73		b.c.p.	Cu.s	4	
3				N.E.x N.	E.N.E.	3-4			30.24	75	74	74		"	"	4	
4				"	"	3			30.21	75	75	74		"	"	4	
5				N.N.E.	N.E.	3			30.21	80	75	74		o.c.p.	"	0	
6				"	E.N.E.	3			30.22	80	76	73		b.c.	A.cum.	6	
7				"	"	2			30.22	81	77	74		"	Cu.	7	
8				N.E.	"	2			30.23	81	79	76		"	"	8	
9				East	East	2			30.24	80	81	78		"	"	7	
10				S.E.	"	2			30.27	81	81	78		"	"	7	
11				"	"	2			30.23	83	81	78		"	"	7	
Noon.				"	E.S.E.	2			30.21	85	85	82		"	"	3	

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Temp. of Mag. Fore 82.81 Aft. 81.80

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water Distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 800 lbs.

Coal remaining on hand at noon, 87 " 770 "

P. M.																	
1				S.E. x E.	East	3			30.18	86	81	77		b.c	Cu.s	4	
2				East	N.E.	4			30.16	87	84	78		"	"	3	
3				"	East	4			30.15	87	83	79		"	"	4	
4				N.E x N.	N.E x N.	4			30.15	84	87	79		"	"	5	
5				N.E.	N.E. x E.	4			30.14	82	82	79		"	"	7	
6				"	"	3			30.16	81	81	78		"	"	7	
7				"	"	3			30.17	81	81	78		"	"	7	
8				"	"	3			30.17	80	80	78		"	"	7	
9				E x N.	East	3			30.20	80	79	77		"	Cu.	9	
10				E x S.	"	4			30.20	82	79	77		"	"	8	
11				E.S.E.	E.N.E.	4			30.19	81	79	77		"	"	9	
Mid.				"	"	4			30.19	80	78	76		"	"	9	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, February 2d, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Fair to cloudy, pleasant. Light rain showers one hour. Barometer rising.

Ensign U.S.N.

4 to 8 a.m.
Cloudy first part, but clear and very pleasant remainder of watch. Light to gentle breeze from N.E. and E.N.E. Set out small arm target at 300 yds range.

T. T. Dewey
Lieut. U.S.N.

8 a.m. to meridian.
Fair and warm. Light breeze from East to E.S.E. By order of the Commander, released D. Robinead appointed from confinement, and restored him to duty. Going ahead with 1 pdr. ~~target~~ rifle and revolver practice. Finished with 6 pdr. practice.

C. W. Parks
Lieut. U.S.N.

meridian to 4 p.m.
Fair and warm, light variable breeze. Barometer falling. Finished up 1 pdr practice, and continued rifle and revolver practice. Exercised Crews of 1st, 3d and 4th cutters under oars.

O. Kerrin
Ensign U.S.N.

4 to 8 p.m.
Fair and pleasant. Light to gentle breeze from N.E. & E. Going ahead with rifle and revolver practice.

C. W. Parks
Lieut. U.S.N.

8 p.m. to meridian.
Clear and pleasant. Gentle to light breeze from East and E.N.E. Barometer steady. Moon rose at 11.30.

O. Kerrin
Ensign U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lt. & Navigator.

4—269

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At Anchor, Gulf of Paria,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E.S.E.	E.N.E.	2			30.19	79	78	75		b.c.	cu	8	
2				East	"	2			30.19	79	77	75		"	"	8	
3				N.E.	"	2			30.17	79	77	75		"	"	8	
4				N.E. x N	"	2			30.16	79	77	76		"	"	8	
5				N.N.E.	N.E.	2			30.15	79	78	75		"	"	8	
6				"	"	2			30.16	79	78	73		"	"	7	
7				"	"	2			30.18	79	79	75		"	"	7	
8				"	"	1			30.20	81	80	76		"	"	8	
9				N.E. x N.	"	1			30.23	83	81	77		"	"	7	
10				E.S.E.	"	1			30.23	83	83	78		"	"	7	
11				S.E. x S.	Calm	0			30.23	87	87	85		"	"	7	
Noon.				Various	North	2			30.23	83	79	65		"	"	5	

9.54

Position at 8 A. M. { Latitude by / Longitude by } ° ′ ″ Temp. of Mag. For Aft

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ′ ″ 82.81 80.80

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 2 tons, 580 lbs.

Coal remaining on hand at noon, 85 " 190 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				Various	North	2			30.17	87	87	86		b.c.	cu	5	
2				NE by N	N.N.E.	2			30.17	83	87	86		"	"	6	
3				NE by E	"	2			30.17	83	87	86		"	"	6	
4				NE by N.	N x E	2			30.16	84	87	86		"	"	7	
5				North	North	2			30.15	87	87	78		"	cu.N.	3	
6				"	"	2			30.15	79	80	76		b.c.p.	"	2	
7				"	"	1			30.16	80	78	76		"	"	2	
8				N. by	Calm	0			30.17	80	78	77		o.c.p.d.	"	0	
9				N.N.E.	"	0			30.18	79	75	73		"	"	0	
10				N.E.	"	0			30.20	77	73	71		"	"	0	
11				"	"	0			30.21	77	73	71		"	"	0	
Mid.				East	North	1			30.21	76	73	71		"		0	

under the command of Commander Frank Courtis, , U. S. Navy,

Friday, February 3d, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear and pleasant. Moon light. Light breeze from E.N.E.

4 to 8 a.m.
Clear and pleasant. Light breezes and airs from N.E. Firing at targets with rifle and revolver.

J.M. Bennett, Ensign, U.S.N.
C.M. Parks
Lieutenant, U.S.N.

8 a.m. to meridian.
Fair and warm. Light N.E'ly airs and calms. Barometer steady. Completed revolver and rifle practice. At 11.25 got under way, and made preparations for 4" practice. At 11.45 commenced 4" practice. At end of watch, having 4" practice. The Commander assigned the following punishments: F. W. Shannon, app. 3cl. lying, deprivation of liberty on next Sat. C.D. Noff, app. 3cl. app. 3cl. hammock adrift, 4 hrs extra duty. J.D. McLaughlin, app. 3cl. refusing to obey order of the Boatswain, while out at boat drill, and vulgar language upon same occasion, 5 days solitary confinement, on bread and water.

C.F. Preston
Ensign, U.S.N.

meridian to 4 p.m.
Clear and pleasant, light breeze from North and N.N.E. Finished 4" target practice, and picked up boats and target. At 1.50 headed in for Port of Spain. At 2.00, went ahead full speed. Got steam launch ready for going out. At end of watch, standing in for anchorage, Commanding Officer on bridge.

J.M. Bennett Ensign, U.S.N.

4 to 8 p.m.
Fair and pleasant, rainy last hour. Light breezes and airs. Calms. Barometer steady. At 4.30 came to anchor in 4 fathoms of water, with starboard anchor. Bearings of anchorage, Cavarita church, and Government House, 32°59'. Government House and outward end of leper wharf, 45°34'. Draft of ship, forward, 11' 0", aft, 16' 6". Made following signals: 4.30, Essex to Wilmington, Have you any mail on board? 4.35 Wilmington to Essex, No. 6.05 Essex to Wilmington, Have you a diver on board? 6.15, Wilmington to Essex, We have a diver on board. 6.35 Wilmington to Essex, We have a diver on board, at what time do you want him. 6.50, Essex to Wilmington, At 6 o'clock in the morning, if as soon after as possible. 7.30 Wilmington to Essex, Have you a diving suit on board? 7.50, Essex to Wilmington, No. 7.45, Essex to Wilmington, We have no diving suit on board, have you? At anchor, veered to 15 fathoms on starboard chain.

C.F. Preston
Ensign, U.S.N.

8 p.m. to midnight.
Passing showers. Calms and light airs from North.

J.M. Bennett Ensign, U.S.N.

Examined and found to be correct.

E.F. Leiper
Lt.
Navigator.

4-985

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor. Port of Spain, Trinidad.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Th.	TEMPERATURE. Air. Wet Th.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																
1				N E x N	Calm	0			30.19	78	75	75	b.c	cu.n	5	
2				N.E.	N.E.	1			30.18	76	75	75	o.c.d.	"	0	
3				North	North	1			30.16	76	75	75	b.c.d.	"	2	
4				"	"	1			30.16	76	75	74	"	"	1	
5				"	N.E.	1			30.16	75	74	73	o.c.	s.cu	1	
6				N.N.E.	"	1			30.16	77	75	73	b.c.	cu.n.	3	
7				N.N.W.	N.NE	1			30.18	77	75	73	"	cu.cu.	3	
8				"	calm	0			30.20	79	78	76	"	ci	5	
9				W.N.W.	"	0			30.22	82	78	76	"	cu	6	
10				N.W.	E S E	1			30.23	83	79	76	"	cu	4	
11				S.S.E.	Calm	0			30.23	84	83	79	"	"	5	
Noon.				S.S.W.	S.W.	1			30.21	86	83	78	"	"	4	

Position at 8 A. M.: Latitude by ° ' " — Longitude by ° ' "

Temp. of Mag. 82.82 — For. Aft. 79.79

Position at noon: Latitude by observation ° ' " — Longitude by observation ° ' " — Latitude by D. R. ° ' " — Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' " — Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 700 "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, 1 tons, 1780 lbs.

Coal remaining on hand at noon, 83 " 650 "

P. M.																
1				W.S.W.	N.N.W.	2			30.17	87	84	77	b.c	cu.n.	4	
2				S.W.	"	1			30.17	82	81	80	b.c.p.	"	3	
3				E x N.	N.E.	2			30.17	85	81	79	"	"	4	
4				E x S.	"	1			30.17	91	81	79	b.c	"	4	
5				"	"	1			30.17	91	81	79	"	"	4	
6				N.E.	"	1			30.18	80	79	76	b.c.	cu.	5	
7				North	N.N.E.	1			30.19	80	78	76	"	"	6	
8				N x W.	"	1			30.21	79	78	76	"	"	6	
9				N.N.W.	"	1			30.21	78	75	71	"	"	6	
10				North	"	2			30.21	77	77	70	"	cu.n	5	
11				N x W	"	2			30.21	77	77	70	"	"	6	
Mid.				"	"	1			30.21	77	77	70	"	"	7	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, February 4th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

commences ½ until 4 a.m.
Cloudy with light drizzling rain last three hours. Calms and light variable airs Barometer falling. Moon rose at 12.45.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Fair to cloudy and pleasant. Light N.E. by airs and calms. Barometer rising. Diver came alongside from Wilmington, and made preparations to plug up forward Kingston Recd. sail at 7.50

Ensign, U.S.N.

8 am to meridian.
Fair pleasant weather. Calms and light airs from E.S.E and S.W. Recd. on board in Dept. of Supplies and accounts, 190 lbs of fresh beef, 190 lbs fresh vegetables, and 15 lbs of bread. General field day. A diver from the U.S.S. Wilmington engaged in work on Kingston valve all the watch. N.A. King. Appd. 1st, was relieved from enlistment by order of Comdg. Officer

Ensign, U.S.N.

meridian to 4 p.m.
Cloudy and pleasant with heavy passing showers of rain, 2d & 3d hours. Light airs and breezes from W.N.W and S.E. Barometer steady. Diver finished work at 1.00 having worked 6 hours. At 1.00 furled sail and sent liberty party ashore. British Steamer Persian Prince came in at 3.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Fair pleasant weather. Light airs and breezes from N.E. and N.N.E.

Ensign, U.S.N.

8 pm to midnight
Fair and pleasant. Light to gentle N.N.E'ly airs and breezes. Barometer steady.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut.
Navigator.

4-685

LOG of the UNITED STATES Training Ship Essex 3d Rate,
at anchor. Port of Spain. Trinidad.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E. N. E.	E. N. E.	1			30.20	81	76	74		b.c.	Cu.	7	
2				"	"	1			30.20	81	76	74		"	"	6	
3				N. E.	"	1			30.19	79	76	74		"	"	7	
4				E x S.	East	1			30.18	78	76	73		"	"	7	
5				East	"	1			30.18	81	76	75		"	"	6	
6				"	"	1			30.19	81	79	78		"	"	7	
7				"	"	1			30.20	81	80	77		"	Cu.	6	
7.54 8				Swinging	Calm	0			30.22	84	85	83		"	"	6	
9				W. S. W.	"	0			30.24	85	87	84		"	"	7	
10				"	N. E.	1			30.26	85	87	85		"	"	7	
11				North	"	1			30.26	83	85	81		"	Cu. N.	3	
Noon.				N. x E.	"	1			30.26	63	85	80		"	"	3	

Position at 8 A. M. { Latitude by ° ' " Dmp. of Mag. For Aft.
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' " 82.82. 79.78
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 1135 lbs.

Coal remaining on hand at noon, 81 " 755 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				Various	Various	0-1	0		30.22	85	84	80					
2				E x N.	E. N. E.	2			30.20	85	83	78					
3				S. E.	S. E.	2			30.19	85	83	79					
4				E. S. E.	East	2			30.18	84	82	78					
5				"	"	2			30.17	83	81	78					
6				E. N. E.	"	2			30.17	82	80	77					
7				"	"	2			30.17	82	79	77					
8				"	"	2			30.17	79	78	77					
9				N. E. x E.	S. E.	1			30.17	78	77	76					
10				N. W. x N.	"	1			30.18	79	77	76					
11				"	North	1-3			30.19	77	77	76					
Mid.				"	N. N. E.	1-2			30.19	76	77	76					

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, February 5th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences with light airs.
Clear and pleasant. Light airs from E. N. E.

J. F. Drury
Lieut. U. S. N.

4 to 8 a.m.
Clear and pleasant. Calms and light airs from East.

S. M. Burnell, Ensign, U.S.N.

8 a.m. to meridian
Generally cloudy and pleasant. Calms and light N. E'ly airs. Barometer rose slightly by 9:15 divisional officers inspected the divisions at quarters. At 9:30 read articles of war, and held general muster. To albertaro Commanding Officer awarded following punishments: E. H. Miller, A. Vaughn, A. J. Dixon, C. W. Hart, T. J. McAnulty, D. King, and P. Holmead, apps. 2cl clothes, bucky bag, 4 hrs. each on P. H. [illegible] duty, P. Holmead, C. J. Roy, and S. T. King, apps 2cl, destroying government property, were placed in solitary confinement on bread and water for 3 days. Permanent appointments were given to W. Derrington, C. B. M., C. B. Haines, Ch. Yeo. W. W. Crawford, B. M. 2cl. and T. Wright, Ma. A. 2cl. The chaplain held divine service at 10:30.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Cloudy and warm. Light airs and breezes from E. N. E. to S. E. Barometer falling. The chaplain held divine service at 1:30.

J. F. Drury
Lieut. U.S.N.

4 to 8 p.m.
Cloudy and pleasant. Light E'ly breezes. Barometer steady. At 7:00 the chaplain held evening prayers. Signals: at 7:45, Essex to Wilmington "what are you going to sea tomorrow." At 8:00, Wilmington to Essex, "at three o'clock."

Ralph Earle,
Ensign, U.S.N.

8 p.m. to meridian.
Clear to cloudy. Light airs from N. E. Transferred to the U.S.S. Wilmington charts, crescent ice numbers 874, 875, 876, and 877. F. Smith, B. M. 2 cl. returned from liberty, bringing concealed in his shirt a bottle of liquor.

J. F. Drury
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Lt. & Navigator.

4-885

LOG of the UNITED STATES Training Ship Eagle Rate,

at anchor. Port of Spain. Trinidad

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. W.	North	1			30.20	78	77	75		b.c.	Cu.N.	3	
2				"	"	1			30.20	78	78	75		"	"	4	
3				N. E.	"	1			30.30	77	76	74		"	"	5	
4				E. x N.	"	1			30.20	77	76	74		"	"	5	
5				"	"	1			30.19	78	77	75		"	Cu.	6	
6				"	"	1			30.19	78	77	76		"	"	7	
7				N. E.	East	1			30.18	77	75	75		"	cir.	6	
8				East	"	1			30.18	77	76	75		"	"	6	
9				"	"	1			30.23	79	87	76		"	"	4	
10				N E x N.	E. N. E.	2			30.22	81	80	78		"	Cu.N.	3	
11				N. E.	E. S. E.	1			30.25	83	80	78		o.c.p.	"	0	
Noon.				N. W.	Calm	0			30.23	84	80	78		"	"	0	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag For Aft
Longitude by ° ' " 82.81 78.78

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, tons, 7100 lbs.

Coal remaining on hand at noon, 80 " 1895 "

P. M.																	
1				S. x W.	W x S.	1			30.10	84	83	81		b.c.	cu.	4	
2				S.	"	1			30.12	85	84	80		o.c.p.	Cu.N.	3	
3				S x E.	S. S. E.	1			30.12	85	84	81		b.c.	"	3	
4				"	"	1			30.15	84	84	81		"	"	3	
5				E. S. E.	N E.	3			30.12	87	83	78		b.c.p.	"	4	
6				"	E. N. E.	2			30.12	80	80	77		b.c.	cu	6	
7				N E x E.	"	1			30.18	79	78	76		"	"	8	
8				"	"	1			30.18	80	78	76		"	"	8	
9				North	E. S. E.	1			30.16	79	78	76		"	"	8	
10				N. N. E.	"	1			30.17	79	78	76		"	"	8	
11				N. W.	Calm	0			30.18	79	78	76		"	"	8	
Mid.				N. W.	"	0			30.18	79	78	76		"	"	8	

4—985

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, February 6th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy to fair. Light airs from North.

C M Fahs
Lieut. U.S.N.

4 to 8 a.m.
Cloudy and pleasant. Light S'ly and E'ly airs. Barometer falling. At 5:30 water boat came alongside and discharged 2200 gals. fresh water into ships boilers. At 7:50 crossed light yards.

Ralph Earle,
Ensign, U.S.N.

8 a.m. to meridian
Fair to clear, with passing showers. Third hour of watch. Light variable airs and breeze. At 9:30 went to quarters for inspection, followed by company and battalion drill. Afterwards stationed all hands for clear ship for action. The Commanding Officer awarded the following punishment: F. Smith, B.M. 2cl, 4th class for smuggling liquor on board. By order of Commanding Officer. F. Wright, M.A. 3cl, who given an acting appointment as M.A. 2d class, to date [illegible]

H. N. Discher, app. 3 cl. } Having other boys clothes
J. T. McAnulty " " } in their possession — 4 hrs extra duty.
E. P. Hoff. " " Noisy on half deck, — 4 hrs extra duty.
C. Hallum, " "
J. Caprice, " "
G. Hurst " " } slow in obeying orders
G. H. Miller, " " } to clear gun deck, — 4 hrs extra duty.
A. N. Kaehler " "
W. J. Manchester " "
E. R. Hess " "

C M Fahs
Lieut

fresh beef and vegetables,
up fresh water into boilers.

T. F. Drury
Lieut. U.S.N.

om and Away, distant
al. , to get under way,
under way, and stood out.
d the following punishments:

C M Fahs
Lieut. U.S.N.

nished taking water in
boilers, having taken in all 8300 gals. Hauled down senior officers pennant at 6, the Wilmington having passed out of signal distance. At 4:30 went to quarters for muster and stowed out clean hammocks. At 5:30 sent down royal and topgallant yards, and top-gallant masts.

T. F. Drury
Lieut. U.S.N.

8 p.m. to midnight.
Clear and pleasant. Light E.S.E'ly airs first half, calm second half. A French steamer came in and anchored.

C M Fahs
Lieut U.S.N.

Examined and found to be correct.

E. F. Leiss
Lieutenant, U.S.N. Navigator.

4-200

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, February 6th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy to fair Light airs from North

C. M. Jahn
Lieut. U.S.N.

4 to 8 a.m.
Cloudy and pleasant. Light N'ly and E'ly airs. Barometer falling. At 5.30 water boat came alongside and discharged 2200 gals. fresh water into ships boilers. At 7.50 crossed light yards.

Ralph Earle,
Ensign, U.S.N.

8 a.m. to meridian
Fair to clear, with passing showers third hour of watch. Light variable airs and breeze. At 9:30 went to quarters for inspection, followed by company and battalion drill. Afterwards stationed all hands "to clear ship for action". The Commanding Officer awarded the following punishment: P. Smith, B.M. 2 cl. 4th class for smuggling liquor on board. By order of Commanding Officer. F. Wright, M.A. 3d, was given an acting appointment as M.A. 2d class, to date from Jan. 1, 1899. Recd. on board, for use of crew, 1 gal. lbs each of fresh beef and vegetables, and 1/2 lbs of bread. Water lighter came off at 11.00, and began to pump fresh water into boilers.

J. F. Dewey
Lieut. U.S.N.

Meridian to 4 p.m.
Cloudy and warm. Light variable airs. Exercised the boats at Arm and Away, distant service. At 3.35 the Wilmington requested permission, by general signal, to get under way, to which this ship replied in the affirmative. The Wilmington then got underway, and stood out receiving water from water boat. The Commanding Officer, awarded the following punishments as appended list.

C. M. Jahn
Lieut. U.S.N.

4 to 8 p.m.
Fair and pleasant. Light to gentle breeze from E.N.E. and N.E. Finished taking water in boilers, having taken in all 8300 gals. Hauled down senior officers pennant at 6, the Wilmington having passed out of signal distance. At 4:30 went to quarters for muster and served out clean hammocks. At 5:30 sent down royal and topgallant yards, and top-gallant masts.

J. F. Dewey
Lieut. U.S.N.

8 p.m. to midnight.
Clear and pleasant. Light E.S.E. ly airs first half, calm second half. A French steamer came in and anchored.

C. M. Jahn
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiss
Lieutenant, U.S.N. Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex **Rate,**

at anchor off Port of Spain, Trinidad.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. W.	East	1-2			30.17	76	76	75		b. c.	cu-st.	2	
2				N. N. E.	"	1			30.15	75	76	75		b.c.p.	"	2	
3				N. N. W.	N.N.E.	1			30.14	76	76	75		b.c.	cu.	1	
4				N. E. x E.	E.N.E.	1			30.14	77	76	74		"	"	8	
5				E x S.	"	1			30.14	80	75	74		"	"	2	
6				S. E.	"	1			30.18	80	76	75		b.c.p.	cu-st.	2	
7				N. E.	N.N.E.	1			30.19	77	75	73		b.c.	"	8	
8				"	"	1			30.22	78	78	76		"	cu-cu	6	
9				W.N.W.	South	1			30.23	79	81	78		"	cu	6	
10				N. W.	Calm	0			30.23	82	82	78		"	"	3	
11				N. N.W.	N.E.	2			30.22	82	81	78		"	"	1	
Noon.				North	"	2-3			30.20	81	80	78		b.c.p.	cu-st.	1	

Position at 8 A. M.: Latitude by ° ′ ″ Temp. of Mag. Fore 82.80 Aft. 78.78

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 750 lbs.

Coal remaining on hand at noon, 60 " 1145 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				N x W.	N.N.E.	2			30.19	82	80	77		b.c.p.	cu-st.	8	
2				E x N.	"	2			30.16	81	81	78		o.c.p.	"	0	
3				N. E.	"	2			30.14	82	81	79		"	"	0	
4				N.E. x E.	"	1			30.12	82	81	80		b.c.p.	"	0	
5				N.E.	N.E.	1			30.08	82	81	80		"	"	2	
6				"	E.N.E.	1			30.07	82	81	80		"	"	2	
7				E. S. E.	"	1			30.07	78	77	80		"	"	2	
8				N.E. x E.	"	1			30.15	80	77	76		"	"	4	
9				N. W. x N.	"	1			30.16	80	77	75		b.c.	"	4	
10				N. W.	Calm	0			30.17	80	77	75		"	"	4	
11				"	"	0			30.17	79	77	76		"	"	4	
Mid.				"	"	0			30.17	79	77	76		"	"	3	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, February 7th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences

Commences 8 until 4 a.m.
Cloudy to fair and pleasant. Light rain shower second hour. Light East to N.W.E. airs. Barometer falling. Morn rose at 3.50

W. Thurston
Ensign, U.S.N.

H. B. Locker,	app. 3d cl.	not stopping hammocks or line properly	– 4 hrs extra duty
G. R. Rose,	" "		
J. E. Keegan	" "		
H. G. Squires	" "		
T. G. Willing	" "		
T. Howard	" "		

hammocks and sent up topgallants, and 152 lbs of lead.

T. T. Craven
Lieut. U.S.N.

J. L. Phillips,	app 3 cl.	not stopping hammock on line properly, and not shifting into clean uniform when ordered	8 hrs. extra duty
N. J. Moon,	" "	Shirking & lying,	1st class
A. B. Vinton,	" "	Loitering on forecastle and impertinence to the Master.	1st class
B. Williams,	mess att.	creating disturbance on gundeck,	2 hrs extra duty
M. Madison,	Boy. Mate 2cl.	" " " "	2d class

C. M. Fahs.

quarters. After securing.

C. M. Fahs
Lieut. U.S.N.

ter falling. Finished & royals. Crossed topsails for sea. At 4.00 mustered

W. Thurston
Ensign, U.S.N.

Cloudy with passing showers. Light airs from N'd and E'd. Exercised at Fire Quarters, all divisions ready in 3 minutes. Secured in 4 1/2 minutes. Hoisted in steam launch, and secured for sea.

C. M. Fahs
Lieut. U.S.N.

8 P.M. to midnight
Fair to cloudy. Light E. N. E'ly airs and calms. Barometer steady. Steamer came into port about 8.30

W. Thurston
Ensign, U.S.N.

Examined and found to be correct.

E. T. Leyden
Lieutenant, U.S.N. Navigator.

4—355

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, February 7th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences

Commences & until 4 a.m.
Cloudy to fair and pleasant. Light rain shower second hour. Light East to N.N.E. airs. Barometer falling. Sun rose at 6.50

W. Thurber
Ensign, U.S.N.

4 to 8 a.m.
Fair and pleasant. Light airs from E. N. E. to N. N. E. Scrubbed hammocks and sent up top-gallant masts. Received for use of crew, 190 lbs. each of beef and vegetables, and 152 lbs. of bread.

T. F. Lowry
Lieut. U.S.N.

8 am to meridian.
Fair to cloudy, variable airs and breezes. At 9.30 went to General Quarters. After securing, made preparations for sea. Punishments as per appended list

C. C. Yates
Lieut. U.S.N.

meridian to 4 p.m.
Cloudy to fair, passing rain showers. Light N. N. E. ly breeze, barometer falling. Finished securing boats, bending flying jib and jib. Bent topgallant sails & royals. Crossed top-gallant and royal yards, and bent gear, and continued preparations for sea. At 4.00 mustered at quarters and turned in hammocks.

W. Thurber
Ensign, U.S.N.

4 to 8 p.m.
Cloudy with passing showers. Light airs from N'd and E'd. Exercised at Fire Quarters, all divisions ready in 3 minutes. Secured in 4 p. minutes. Hoisted in steam launch, and secured for sea.

C. C. Yates
Lieut. U.S.N.

8 p.m. to midnight
Fair to cloudy. Light E. N. E'ly airs and calms. Barometer steady. Steamer came into port about 8.30

W. Thurber
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leyden
Lieutenant, U.S.N. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex Rate,

Making passage from Port of Spain, Trinidad to St. Vincent, W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, to Dkness.	State of the Sea.
A. M.																	
1				N.W.	N.N.W.	1	7 S.		30.16	75	76	75		b.c.	cu	7	
2				N.W x N.	Calm	0			30.16	75	76	75		"	"	7	
3				N.W.	"	0			30.14	76	76	75		"	"	7	
4				N.N.E.	"	0			30.14	76	76	75		"	"	6	
5				S.E.	East	1			30.16	76	75	74		"	cum	5	
6				Mast	"	1			30.18	77	77	75		"	"	3	8
7			70.0	Various	Calm	0			30.20	78	77	75		"	"	4	"
8	4	1	74.1	N. 5/8 E.	N.E.	2			30.22	78	78	76		"	"	5	"
9	7	4	81.5	N. 1/4 E.	E.N.E.	3			30.24	78	78	76		"	"	6	"
10	4	5	86.0	N. 3/4 W.	"	2	5.0	1	30.24	80	80	77		b.c.	"	4	"
11	5	0	91.0	N x W 1/2 W.	E x N.	3	6.0	1	30.24	81	80	78		"	"	4	"
Noon.	5	0	96.0	N x W.	"	3	6.0	1	30.23	80	81	79		"	"	4	"

Position at 8 A. M. { Latitude by ° ' " Temp of Mag. For. Sfc.
Longitude by ° ' "

Position at noon: { Latitude by observation 11 ° 13 ' 00 " N. 82.80 80.79
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by ~~D.R.~~ Bearings of land 61 ° 48 ' 00 " W.

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 26. miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

	7.27 a.m. by azimuth	0	ships head	N.W. 1/2 W.	2° 48' E'ly	variation used 0°48' E'ly
Error of compass observed at	5.05 p.m. " "	0	" "	N.W. E.	1° 24' E'ly	" 0°36' "
Deviation of compass on ~~b~~	7.27 a.m. " "	0	" "	N. 1/2 W. E.	2° 00' "	" 0°24' "
	5.05 " "	0	" "	N.W. E.	0° 48' "	" 0°36' "

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 3 tons, 830 lbs.

Coal remaining on hand at noon, 77 " 815 "

P. M.							P.S.							
1	5	5	1.5	N x W.	E x N.	3	6°-0	3/4	30.24	80	80	79	76	b.c	cu	8	8
2	5	4	6.9	N. 1/4 W.	"	3	6°-0	3/4	30.24	80	80	79	76	"	"	8	"
3	5	3	12.2	N. 1/2 W.	"	3	6°-0	3/4	30.24	79	80	77	76	"	ci.cu	6	"
4	6	5	18.7	N. 1/4 W.	"	4	6°-0	3/4	30.23	79	80	77	76	"	"	4	"
5	5	5	24.2	N. 1/4 E.	"	4	6°-0	3/4	30.23	79	79	77	76	"	"	4	"
6	5	3	29.5	"	"	4	6°-0	3/4	30.23	79	78	76	76	"	"	3	"
7	4	8	34.3	"	East	4	6°-0	3/4	30.23	79	78	76	76	"	"	4	"
8	5	0	39.3	"	"	4	5°-0	3/4	30.24	79	78	76	76	"	"	6	"
9	5	2	44.5	N. 1/4 W.	E.N.E.	4	5°-0	3/4	30.27	78	79	76	76	b.c.	cum	7	"
10	3	5	48.0	N. 1/2 W.	"	3	4°-0	3/4	30.27	79	79	77	76	"	cu	3	"
11	2	3	50.3	N x W.	N.E x E.	2-3	4°-0	3/4	30.27	79	79	77	76	"	"	4	"
Mid.	2	5	52.8	N. 1/2 W.	"	2-3	4°-0	3/4	30.27	78	79	77	76	"	o.cu.	3	"

4—265

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, February 8th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Clear and pleasant, light airs from N.N.W first hour; calms remainder of watch. Started fires in Boilers A. C. & D. at 12:30.

J. W. McBurnette, Ensign, U.S.N.

4 to 8 a.m. Cloudy and pleasant. Light airs from East first half, calm 2d hour, and light N.E'ly breeze last hour. At 5:40 commenced heaving in, got under way at 5:50, and stood out from Port of Spain anchorage for Boca de Monos, the Commander conning. Passing through the Boca de Monos, and passed out of it at 7:25, when the patent log was put over reading 70, and the course set N.5°E (p.s.c.) Stood out under steam. Steam pressure 560 lbs, Revolutions 454. Ships draught on leaving, 14' forward, 16'6" aft.

C. W. Jahn
Lieut. U.S.N.

8 a.m. to meridian.
Cloudy, to fair & pleasant. Light to gentle breeze from E.N.E & E.x.N. Barometer about steady. At 8:15 set fore and main topmast staysails, jib & flying jib, and main try sail. At 9:00 called all hands make sail, and made all plain sail to royals, and brought the ship full & bye. Backed fires and uncoupled the screw. At 10, took in royals and flying jib, and set up on fore royal back stays. At 10:30 set them again. Passed a sail standing to the Eastward in sight on Starboard quarter throughout watch. At 8:15 changed course to N.W.½N. At end of watch, in the mean under all plain sail except mainsail and after trysail, also main topmast staysail & main try sail. By order of Commander E. R. King, D. M. Holmead, E. J. Roy and D. McLaughlin, appr. 3d cl, were released from confinement, & returned to duty.

E. J. Roy
Ensign, U.S.N.

meridian to 4 p.m.
Fair pleasant weather. Gentle to moderate breezes from E.x.N. At 2:30 sighted the Island of Granada, two points on the starboard bow. Inspected bags of divisions of apprentices. At 3:50 took in royals and flying jib. At end of watch under all square sails except royals and mainsail, and jib, fore & main topmast staysails, and main try sail. Vessel full and bye, steering about N.W.½N. Dst log 18.7. Max roll 6°

J. W. McBurnette, Ensign, U.S.N.

4 to 6 p.m.
Cloudy & pleasant. Moderate E.x.N'ly breezes. Barometer steady. Maximum lee roll, 6°. At 5:00 exercised at man overboard. At 5:15 sent down the royal yards. At 5:50 the chaplain held evening prayers. At end of watch, on course, N.W., log 29.5, under topgallant sails, trysails, fore sail, fore and main topmast staysails, jib, and main try sail. At 600 took soundings, no bottom at 100 fathoms.

Ralph Earle
Ensign, U.S.N.

6 to 8 p.m. Fair & pleasant, moderate breeze from East. On course, N.W.½W. during watch. At 7:00 took a cast with 150 fms of wire out and no bottom. From 7:30 to 8, took numerous casts, in from 16 fms at 7:30, to 60 fms at 8. Same sail as previous watch. Max roll, 6°.

F. Drury
Lieut. U.S.N.

8 p.m. to midnight.
Fair to cloudy, moderate to light breeze from E.N.E & N.E.x.E. Course N.W., p.s.c., but steering full and bye. At 9:20 sighted light of Granada S.W. on starboard beam. All sail set, save flying jib, jib, royals, mainsail and spanker.

C. W. Jahn
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieutenant, U.S.N. Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from Port of Spain, Trinidad, to St Vincent, W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Cirro Sky, in tenths.	State of the Sea
							J. S.										
A. M.																	
1	3	6	56.6	N 3/4 W.	E N E.	2	3°-0°	3/4	30.26	78	78	76	76	b.c.	cu.st.	5	M
2	4	7	61.1	North	"	3	3°-0°	3/4	30.26	77	76	76	76	o.cp.	cir.st	0	"
3	5	0	66.1	"	"	3-4	6°-3°	3/4	30.26	76	76	75	76	"	"	0	"
4	5	3	71.4	N 1/4 E.	E x N	4-5	7°-0°	3/4	30.26	76	76	75	75	b.c.	"	2	"
5	4	2	75.6	North	"	3-4	9°-0°	3/4	30.26	77	77	75	75	"	"	3	"
6	3	4	79.0	"	"	3	2°-2°	0	30.29	78	78	76	75	"	"	4	"
7	6	0	85.0	N E x E	E N E	3	2°2°	0	30.31	79	79	77	76	"	"	8	"
8	6	8	91.8	"	"	4	2°-2°	0	30.34	79	79	77	76	"	cu	5	"
9	5	3	93.7 98.5	N E x E 1/2 E	"	4	2°2°	0	30.35	81	81	78	76	b.c.p.	Cum	3	8
10	7	2	5.7	"	"	4	2°2°	0	30.35	80	81	78	76	"	"	3	"
11	7	1	12.8	"	"	5	2°2°	0	30.35	82	82	78	76	b.c.	"	5	"
Noon.	7	0	19.8	N E x E.	"	5	0°-0°	0	30.35	82	82	79	75	"	"	5	"

Position at 8 A. M.: Latitude by ° ′ ″ — Temp. of Mag. For Aft.
Longitude by ° ′ ″ — 82.80 79 79.

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 6 tons, 720 lbs.

Coal remaining on hand at noon, 70 " 1835 "

P. M. 12.30							P. S.	Aneroid Bar.						
1	3	6	25.2	N. E x E.										
	3	5	26.7	N E x E	E N E.	5	0°-0°	30.31	85	84	78	76	b.c	cu	6	S
2	6	9	33.6	"	"	5	0°-0°	30.29	81	81	77	76	"	cu.st.	6	"
3	5	6	39.0	N E.	N E.	5	0°-0°	30.27	83	82	77	76	"	"	6	"
	1	5	40.4													
4				Standing in for anchorage	"	2	0°-0°	30.28	85	86	80		"	"	5	"
5				N E x E.	E N E.	3		30.28	84	80	77		"	"	4	
6				Various	"	2		30.28	80	79	77		b.c.	"	4	
7				"	"	2-3		30.29	80	79	76		"	"	6	
8				"	"	2-4		30.30	78	78	75		"	"	7	
9				N E x N	"	3		30.30	78	78	76		"	cu	7	
10				East	"	3-5		30.31	78	78	75		"	"	7	
11				E S E	"	2-5		30.32	78	76	74		"	"	7	
Mid.				S E.	"	2-5		30.32	78	76	74		"	"	6	

4—265

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, February 9th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

commences & until 4 am.
Fair to overcast, with light passing rain squalls. Barometer steady. Light to stiff breeze from E.N.E to E.x.N. At 1 lighted fires under boiler D. At 3:45 took in and furled topgallant sails and main topmast staysail. On the wind throughout the watch. Ship heeled from 5° to 9° to port.

J. Hunt Lee
Ensign, U.S.N.

4 to 8 am.
Fair pleasant weather. Gentle to moderate breezes from E.x.N. to E.N.E. At 5.50 coupled up propeller, and furled all sail. At 6.00 went ahead slow, on course N.E.x.E. At 6:16, went ahead full speed. At day light, US sighted Granada ahead. At end of watch on course N.E.x.E. under steam. Bat. log. 9.1.8, average steam 56 lbs. revolutions 57 M Bennett
Ensign U.S.N.

8 am to meridian. Fair and pleasant, with light passing rain first half. Moderate to stiff E.N.E.ly breezes. Barometer steady. Made 2m roll 2°. At 8:15, log. 9.3.2, changed course to N.E.x.E.½E. (pac.) At 11:00 changed course to N.E.x.E. (p.s.c.) log 12.8. At 9.00 mended fuel of sails, and got topgallant yards ready for coming down. At 9:30 went to quarters, no observers, and held routine drill with drills. Commanding Officer awarded the following punishments: R. R. Craig, app. 3 cl, chewing tobacco and using foul language to E.M.A., was placed in solitary confinement on bread and water for 5 days. A. Talbot, app. 3 cl, using abusive language to cook, and putting refuse in coffee kettle, deprivation of liberty in next port; E. S. Nicholson, app. 3 cl., losing clothes bag overboard, 2 watches extra duty; P. M. Imes & A. Herlie, app. 3 cl, failing to answer at muster, deprivation of liberty in next port; E. L. Hines, app. 3 cl., persistent tobacco chewing after warning, deprivation of liberty in next port; T. B. Sturtevant, Ch. Gun., neglect of duty, deprivation of liberty in next port. At 10:50 sent down topgallant yards, and unbent light sails. Took off chafing gear. The Grenadines in sight of starboard beam all watch, and at 12:00 sighted St. Vincent ahead. Maximum temperature of magazines, 82.5. At 12 steam, 61 lbs. average revolutions 47.05. At end of watch on course, N.E.x.E., log 19.8.

Ragnvald Carea,
Ensign U.S.N.

meridian to 4 p.m.
Fair & pleasant. Standing on course, N.E.x.E, under steam alone, till 12:30, when the course was changed to N.E.½E. At 2:45 changed course to N.E. From 3:30 till end of watch standing in for anchorage at Kingstown St. Vincent. Bald. Steam 52 lbs. Revolutions 57.

J. T. Newberry
Lieut. U.S.N.

4 to 8 p.m.
Cloudy to fair and pleasant. Light to moderate breeze from E.N.E. Standing for the anchorage. At 4.07 let go starboard anchor in 22 fathoms, and veered to 60 fathoms. Distant angle from anchorage Episcopal Church to Johnston point 70°½', and Johnston point to Cane Garden point 105°16'. Allowed force to lie down, but distilling until they should have done so. The U.S. Consul came on board, and went ashore. The Harbor Master also visited the ship. An officer from H.B.M.S. Alert, paid a boarding visit, which was returned by an officer from this vessel. At 6.30 the Alert got under way under sail, and stood out.

Chas Oakes
Lieut U.S.N.

8 p.m to midnight.
Fair and pleasant. Light E.N.E.ly breeze with stiff puffs. Barometer rising.

J. Hunt Lee
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant U.S.N. Navigator.

4—255

LOG of the UNITED STATES. Training Ship Essex Rate,

At anchor off Kingstown St. Vincent, B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				S E.	East	2-5			30.31	79	76	75		b.c	cu	1	
2				"	"	1-5			30.31	79	76	75		"	"	3	
3				E S E	"	1-5			30.30	79	78	75		b.c.p	cu.s	4	
4				"	"	1-4			30.29	79	76	75		"	"	4	
5				E N E	"	4			30.30	79	78	75		"	"	5	
6				N E x N	N E.	3-4			30.31	79	78	76		b.c	cu	4	
7				East	"	3			30.31	78	76	76		"	"	8	
8				N x E	East	3			30.33	81	79	76		"	"	7	
9				E x N	E N E	3-4			30.37	81	81	76		"	"	6	
10				N E.	"	3-4			30.38	83	81	76		"	"	5	
11				E x S	East	3-5			30.40	85	81	76		"	"	7	
Noon.				E S E	"	3-5			30.44	86	81	76		"	"	6	

7.55

Position at 8 A. M.: Latitude by ° ′ ″ Temp of Mag.
Longitude by ° ′ ″ Sea Att. 82.80 79.79

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 2 tons, 1790 lbs.

Coal remaining on hand at noon, 68 " 45 "

P. M.																	
1				S E x E	S E	3-5			30.43	85	81	76		b.c	cu	5	
2				"	East	3-5			30.43	88	81	76		"	"	5	
3				East	N E.	4			30.41	88	81	76		"	"	6	
4				N E x E	"	3-4			30.40	88	81	76		"	c.cu	8	
5				E x N	East	2			30.37	79	79	76		"	"	5	
6				"	"	2			30.36	77	79	76		"	"	6	
7				N E x N	"	2			30.35	77	78	74		"	"	7	
8				"	"	3			30.35	77	78	76		"	"	7	
9				"	"	3			30.35	77	77	76		"	"	7	
10				N E x E	"	3			30.37	78	78	75		"	"	7	
11				East	"	3-4			30.36	79	79	76		b.c.p	cu.s	6	
Mid.				"	E N E.	3-4			30.38	79	78	75		b.c	"	5	

under the command of Commander Frank Courtis, U. S. Navy,

Friday February 10th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Fair, light airs and occasional stiff squalls from East

F. M. Bennett. Ensign, U.S.N.

4 to 8 a.m.
Fair and pleasant, moderate to gentle N.E.ly breeze. At 8:00 a.m. saluted the fort with 21 guns, the English ensign at the main.

C. M. Fahs
Lieut U.S.N.

8 a.m. to meridian.
Fair to clear and pleasant. Gentle breeze from E.N.E. and East, with frequent stiff puffs. Boom to rising first three hours, falling last hour. At 8:06 a.m. shore battery returned our salute with 21 guns. At 9:45 went to quarters, no absentees. After muster exercised divisions at setting up. At 10:00 the U.S. Consul paid an official visit on board, and was saluted with 5 guns at 10:58 when he left the ship. Navigators drawbeam scraping spars. Lowered smoke pipe. Max. temperature of magazines 82°. Ensign and staff of the 4th cutter were lost overboard.

W. Glen Gow
Ensign, U.S.N.

meridian to 4 p.m.
Clear and pleasant. Gentle to stiff breeze from S.E. shifting to N.E. Cleaned and disinfected bilges. Inspected magazine flood and drain cocks, and found them to be in good order. By order of Comdg. Officer J. H. Bigham was this day divested to seaman for incompetency. At 1:30 the commanding officer visited the Administrator officially. At 3:00 the Administrator returned the official visit of the commanding officer. At 4:00 the Administrator left the ship. At salute of 15 guns was fired, the British ensign at the fore.

F. M. Bennett. Ensign, U.S.N.

4 to 8 p.m.
Fair and pleasant. Light breeze from East. Barometer falling. Liberty party returned. Schooner yacht Guiana came in and anchored in roads. Sent down top gallant masts.

W. Glen Gow
Ensign, U.S.N.

8 p.m. to midnight.
Partly cloudy. Light rain squall at 10:45. Light airs to moderate breezes from East.

F. M. Bennett Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lt. Navigator.

4-99

LOG of the UNITED STATES Training Ship Essex Rate,

Harbor off Kingstown, St. Vincent.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				E S E	E N E	1			30.38	78	77	74		l. rep.	Cum.	5	
2				E by E	"	3			30.37	74	77	74		"	"	6	
3				"	"	3			30.36	78	78	74		"	"	7	
4				East	"	3			30.36	77	77	73		"	"	7	
5				N E.	"	2-3			30.36	79	77	73		l. c.	"	7	
6				N E by E.	N E by E	2-4			30.38	77	78	73		"	"	7	
7				"	"	2-4			30.38	79	78	75		"	"	6	
7.55 8				"	"	3-5			30.38	79	78	75		"	"	9	
9				"	E N E	3-5			30.40	80	80	74		"	"	9	
10				"	"	3-5			30.42	82	81	74		"	"	7	
11				"	E	3-5			30.43	82	81	74		"	"	7	
Noon.				"	"	3-5			30.43	82	82	74		"	"	5	

Position at 8 A. M.: Latitude by ° ′ ″ Temp. of Mag. For Aft.

Longitude by ° ′ ″ 82.80 79.79

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 67 " 1835 "

P. M.																	
1				E S E	East	4-5			30.41	82	80	74		l. c.	Cu	6	
2				S E by E	"	5			30.38	82	81	74		"	"	8	
3				E S E.	N E by E.	3-4			30.37	83	81	75		"	"	8	
4				E by S.	"	3			30.37	84	81	75		"	"	7	
5				"	"	3			30.37	84	81	75		"	"	7	
6				N E	"	2			30.37	83	80	74		"	"	7	
7				E by N	"	2-3			30.38	78	77	74		"	"	7	
8				"	"	2-3			30.38	78	77	74		"	"	7	
9				N E.	East	3-4			30.40	78	78	73		"	"	8	
10				"	"	3-5			30.40	77	78	73		"	"	7	
11				N N E	E N E	3-5			30.40	77	78	73		"	"	9	
Mid.				E by N	East	2-4			30.40	78	77	73		"	"	9	

under the command of Commander Frank Courtis, , U. S. Navy,

Saturday February 11, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Fair & pleasant. Light airs & gentle breezes from E. N. E. Barometer falling.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Light breeze from N E x E & E N E with stiff puffs. Barometer steady.

Ensign, U.S.N.

8 am to meridian
Fair pleasant weather. Gentle to stiff breeze from E N E & East. Rec'd on board in Dept. of Supplies & Accounts fresh provisions as follows: 40 lb. Butr. 190 lbs. vegetables, & 150 lbs. bread. A. B. Haines, ord. sea. reported the expiration of his term of enlistment. At 11:00 sent up top gallant masts & yards.

meridian to 4 p.m.
Clear & pleasant. Moderate to stiff and gentle E'ly & N E x E'ly breezes. Barometer falling. A. B. Haines, acty. ch. yeoman, was discharged at his own request, from the naval service his term of enlistment having expired, and said A. B. Haines, not good. having waived all claim to transportation at public expense and to consular aid, as per article 806, U.S. Navy Regulations.

T. M. Bennett, Ensign, U.S.N.

Ralph Earle,
Ensign U.S.N.

4 to 8 p. m.
Fair and pleasant. Light airs and gentle breezes from N E x E. Liberty party returned. M. Sullivan, 1st, returned on board, at 5.50 p.m. under the influence of liquor; and being disorderly was placed in confinement in irons for safe keeping, by order of the Commdg. officer. At 6:15 the Chaplain held prayers.

T. M. Bennett, Ensign, U.S.N.

8 p m to midnight
Clear & pleasant. Gentle to stiff E'ly and E x N E'ly breezes. Barometer steady.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Lopez, Lt.
Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor off Kingstown, Br. Vincent.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				E.S.E.	East	2-3			30.40	79	78	75		bc.	cu	9	
1				East	"	3-5			30.38	78	77	75		bc.sp.	"	9	
2				E.S.E.	"	3-5			30.38	78	77	75		"	cu	8	
3				"	"	3-5			30.36	77	76	75		"	"	7	
4				S.E.	"	2-3			30.35	77	75	73		"	"	6	
5				S.S.E.	"	2-3			30.35	78	75	73		bcp.cg.	"	5	
6				E x N.	"	2-3			30.37	78	77	74		"	"	4	
7				E.S.E.	"	2			30.40	71	75	73		bc.cg.	"	3	
8				N.E.	ENE	2			30.41	79	77	74		"	"	6	
9				"	"	3-4			30.42	81	78	75		"	"	5	
10				ENE	"	3-4			30.41	82	79	75		"	"	8	
11				East	ExS.	2			30.41	84	80	76		"	"	5	
Noon.																	

Temp. of Mag. For Mt. 82.80 79.78

Position at 8 A. M.: Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 67 " 1385 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				ExS.	ExN	3			30.40	81	78	74		bcp	cu.n.	7	
2				"	ESE	2			30.39	79	76	75		"	"	3	
3				SExE	"	2			30.38	83	78	73		"	"	3	
4				S.E.	East	2			30.38	84	79	75		"	"	2	
5				ExN	ENE	3-4			30.36	80	77	74		"	"	3	
6				East	"	2-3			30.36	80	75	73		"	"	3	
7				"	"	2-5			30.36	78	76	74		"	"	1	
8				ENE	"	2-4			30.36	79	76	74		bcpg	"	2	
9				"	"	3-2			30.36	78	76	73		"	"	2	
10				"	"	3-5			30.39	76	75	74		"	"	2	
11				"	"	3			30.37	75	75	74		"	"	2	
Mid.				ExN	"	3			30.37	75	75	74		"	"	2	

under the command of Commander Frank Courtis, , U. S. Navy,

Sundays, February 12th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Clear and pleasant. Gentle breeze from East, blowing fresh in squalls. Barometer falling slowly.

J. F. Drury
Lieut. U.S.N.

4 to 8 am
Fair first part, heavy rain squalls last part. Light airs to moderate breeze from East. Received on board in Dept. of Supplies and Accounts, fresh provisions as follows: 190 lbs. Meat, 152 lbs. Bread & 190 lb. Vegetables. At 6:00 the yacht Vitara got under way & stood out.

J. M. Bennett, Ensign, U.S.N.

8 am to meridian
Generally fair & pleasant, with passing squalls of rain & wind. Light to moderate E.N.E.ly and E.x S.ly breezes. Barometer nearly stationary. By order of Commdg. Officer, released from confinement M. F. Sullivan, Lds., he having sobered up. Commdg. Officer assigned the following quarters:- P. Howard, app.3cl., having another person's clothes in his possession, 4 hrs extra duty; G. B. Pollard, N. Ulmer and C. F. Coyle, apps 3cl., asleep without uniform caps, 2d class; T. T. Moran, 2nd B. Cox, apps 3cl., returning from liberty drunk, 4th class; M. G. Sullivan, Lds, returning from liberty drunk and disorderly, 3d class; A. Duncan, Lds., out of uniform at muster, 4 hrs extra duty. At 9:30 mustered at quarters, roll & orders; after which the Cmdg. Officer inspected the enwarding ship. At 10:30 the Chaplain held Divine service. Maximum temperature of magazines 82.8°.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Fair and very pleasant. Light breezes from E.x N. to E.S.E. Showers first part of watch. At 1:30 held divine services on board.

J. F. Drury
Lieut. U.S.N.

4 to 8 p.m.
Cloudy to fair, with frequent & heavy rain squalls. Light to stiff E.N.E.ly breezes. Barometer steady.

Ralph Earle,
Ensign U.S.N.

8 p.m. to midnight
Cloudy, with frequent rain squalls. Gentle breeze from E.N.E. blowing fresh in squalls. Barometer steady.

J. F. Drury
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiter,
Lieutenant, U.S.N. Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex **Rate,**

Anchored off Kingstown, St. Vincent, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SE x E	East	3-5			30.33	76	76	74		bcp.	cu-s.	4	
2				"	"	3-5			30.33	76	76	74		"	"	4	
3				E x S.	"	2-5			30.32	75	76	74		bcpg.	"	3	
4				SE x E.	"	2-5			30.32	75	75	74		"	"	3	
5				"	"	2-4			30.32	74	75	73		"	"	3	
6				"	"	2-5			30.33	76	75	73		"	"	3	
7				"	"	2-5			30.33	74	75	74		"	"	2	
8				"	"	2-5			30.34	76	75	74		"	"	2	
9				E x S.	"	2-4			30.34	80	79	75		bcp	"	2	
10				E x N	E x N.	2-5			30.41	80	76	75		bcpg	"	1	
11				NE x E	"	4-5			30.40	79	75	74		ocr	"	0	
Noon.				"	"	2-4			30.47	82	76	75		bc	"	3	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag.
Longitude by ° ' " Sea Aft

Position at noon: { Latitude by observation ° ' " 8200 7978
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1300 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 47 " 935 "

P. M.																	
1				E NE	E x N	3-4			30.36	82	76	75		ocr	nimbus	0	
2				"	"	2-4			30.35	82	78	76		bcp	cu-s.	4	
3				East	"	2-4			30.33	83	79	76		"	"	4	
4				S x E	"	2-3			30.30	81	79	76		"	"	4	
5				S. E.	East	3-4			30.31	79	77	76		"	"	1	
6				E x S.	E x S.	3-5			30.31	76	75	74		cap.	"	0	
7				E NE	E. NE.	3-5			30.31	77	75	74		"	"	0	
8				E x N	E x N	3			30.31	77	76	74		bc	"	2	
9				"	"	3-5			30.31	77	76	74		"	"	2	
10				E NE	NE x N	4-6			30.34	74	77	75		"	"	3	
11				"	"	3-5			30.34	78	77	75		"	"	8	
Mid.				NE.	"	3-5			30.35	78	77	75		bcp.	"	6	

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, February 13th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy with frequent gusts of rain coming down with the williwaws from the mountains. Gentle to stiff breeze from East.

C M Fahs
Lieut. U.S.N.

4 to 8 a.m.
Cloudy with frequent heavy rain squalls. Light to stiff E'ly breeze. Barometer rising. Received in Pay Department 152 lbs of fresh Bread, and 190 lbs each of fresh meat and vegetables. British steamer Saba came in and anchored at 6.30.

Ralph Earle,
Ens'gn, U.S.N.

8 a.m. to meridian
Cloudy with frequent heavy rains. Light to stiff breezes from E x N. At 9.34 went to General Quarters, divisions reporting ready as follows: 1st. 9.37½, 4th 9:38, 2d 3d. powder, and navigator 9.39. Secured at 9.43½, divisions reporting as follows: 1st, 9.45, 3d. 9.45½, powder, 9.46, navigator 9.48, 2d & 4th, 9.48½. The Commanding Officer awarded the following punishments: G.T. Barker, app.3cl, scrubbing clothes out of hours, 4 hrs extra duty. A.C. Victor, app.3cl, leaving work without authority, 4 hrs extra duty. H.G. Squires, app.3cl., disrespectful language to master-at-arms, 4 hrs. extra duty. T.L. Warren, app.3cl., abusive language to master-at-arms, 3 days solitary confinement on bread and water. Confined T.D. Warren, in accordance with punishment awarded. At 10:30 began the issue of small stores and clothing.

J T Dewey
Lieut. U.S.N.

meridian to 4 p.m.
Overcast to cloudy. Light to moderate breezy from E x N, raining frequently. Made preparations for sea. Sent down top gallant yards, bending top gallant sails.

C M Fahs
Lieut. U.S.N.

4 to 8 p.m.
Generally overcast. Light to moderate E'ly winds, and raining heavily at times. Crossed top-gallant yards, hoisted smoke pipe, and finished all preparations for sea.

J T Dewey
Lieut U.S.N.

8 p.m. to midnight
Cloudy and cool. Gentle breeze from E x N to N E x E, with occasional fresh puffs. Light passing shower last hour.

C M Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leutze
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Harbor off Kingstown, St. Vincent, B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				E ½ E	East	3-5	P.S.		30.33	77	77	75		b c½	cu st.	3	
2				"	"	4			30.32	76	76	75		"	"	5	
3				S E x E	"	4-5			30.31	76	74	74		"	"	6	
4				E S E	E. S. E.	5-6			30.31	76	76	76		"	"	5	
5				S E.	East	3-6			30.30	78	78	76		b c	"	9	
6			46.0	"	"	2-6	–		30.30	79	76	74		"	cu	7	
7	1	7	47.7	Various	E. N. E.	3	–	3/4	30.35	79	78	77		"	cu cu	6	8
8	1	0	48.7	S x W	N E x E	1-3	–	3/4	30.37	81	79	74	76	"	"	5	"
9	1	1	50.8	N x W ½ W	"	2	–	3/4	30.39	81	79	74	76	"	"	4	"
10	0	3	51.1	N. N. W.	"	3	–	1	30.41	81	77	74	76	"	"	4	"
11	3	5	54.6	N x W ½ W	"	5	3°-0°	3/4	30.41	81	80	75	76	"	"	5	"
Noon.	3	7	58.3	N x W ⅝ W	"	5	3°-0°	3/4	30.38	81	82	74	76	"	"	5	"

Position at 8 A. M.: Latitude by ° ′ ″ — Temp. of Mag. For Aft

Position at 8 A. M.: Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″ 82.80 79.78

Position at noon: Longitude by ~~observation~~ Bearings of Land 61 °26 ′30 ″ W

Position at noon: Latitude by ~~D. R.~~ " " 12 °52 ′45 ″ N

Position at noon: Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 17.3 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by D.R. 14 °15 ′52 ″ N.

Position at 8 P. M.: Longitude by Obs'd 61 °49 ′9 ″ W.

Variation of compass:

Error of compass observed at 427 by azimuth & ships head N x W 16′ Wly

Deviation of compass ~~on~~ at 427 " " " " " " 6′ " variation used 10′ Wly.

Water expended during the preceding 24 hours, 600 gallons.

Water Distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, 2 tons, 75 lbs.

Coal remaining on hand at noon, 65 " 860 "

P. M.																	
1	6	8	70.1														
2	7	0	77.1	N x W.	E N E	5	3°-0	3/4	30.36	81	82	75	76	b c.	cu.	5	W
3	6	2	83.3	"	E x N	5	3°-0	3/4	30.35	81	82	75	77	"	"	6	"
4	5	8	89.1	"	East	3-5	3°-0	1	30.31	80	81	78	78	"	"	6	"
5	5	8	94.9	"	E N E	3-5	5°-0	1	30.32	79	80	77	78	"	"	4	"
6	6	6	1.5	"	E x N	3-5	5°-0		30.32	79	80	77	78	"	"	4	"
7	6	9	8.4	N ½ W	"	4-5	6°-0		30.34	79	79	77	78	"	"	4	"
8	5	1	13.5	"	E N E	4-5	6°-0		30.34	79	78	76	78	"	"	7	"
9	4	0	17.5	"	"	5-6	5°-0		30.34	79	78	76	77	"	cu st	6	"
10	4	5	22.0	"	East	5	6°-0	3/4	30.38	79	78	75	77	"	cu	6	"
11	4	2	26.7	"	"	5	6°-0	3/4	30.39	79	78	75	77	"	"	8	"
Mid.	4	0	30.7	"	"	5	6°-0	3/4	30.39	78	78	75	77	"	"	6	"
					"	4-5	5°-0	3/4	30.39	78	78	75	77	"	cu.	3	"

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, February 14th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a.m.
Clear to fair & pleasant. Light East'ly & E.S.E.ly breezes with stiff squalls. Barometer falling slowly.

W. Gwin Bin
Ensign, U.S.N.

4 to 8 a.m.
Clear to fair & very pleasant. Light airs to fresh breezes from E.N.E. and East. At 6:00 called all hands up & anchor and at 6:27 went ahead with engines and steamed out of the Harbor of Kingstown. At 6:45 took departure, West tangent of St Vincent Dodd, N. 18° W. p.o.c. Charlotte Battery light bearing N. 65° E. p.o.c., distant 1¼ miles. Ship on course N.W. x W. Pat. taffrail log reading 46. At 7:05 stopped engines and uncoupled shaft. Made all sail except royals, main-sail and spanker, and at 7:15 changed course to N. x W., pat. log reading 48.7. Banked fires.

J. T. Newry
Lieut. U.S.N.

Draught, 14' forward, 16'6" aft.
8 a.m. to meridian.
Fair & pleasant. Light to stiff breeze from N.E. x E. Course N. x W. p.o.c. Sleeping full and by. Set royals, and crowned the yards. Exercised at setting top gallant sails & royals, and taking them in. Ship heeled 30° to port. Under all sail at end of watch, save flying jib, royals, mainsail & spanker. Had routine drills during first period.

C. M. Fahs,
Lieut. U.S.N.

Meridian to 4 p.m.
Fair & pleasant. Stiff to gentle breeze from E.N.E. to East. Barometer falling slowly. Exercised watch below in furling and reefing, and royal yard men of watch on deck in loosing and furling sail. On course under same sail as at end of previous watch. Maximum heel 6°. Filled 109-6 pdrs. reloading charges. Landing eight throughout watch. Sighted St. Lucia at 12:45.

W. Gwin Bin
Ensign, U.S.N.

4 to 6 p.m. Fair pleasant weather. Gentle to stiff breeze from E. x N.
At 5:00 changed course to N. ¼ W. pat. log 94.9. At 5:15 exercised at fire quarters; division reported ready as follows, 1st 1½ min., 2d 2 min. 3d 1½ min., 4th 2½ min. Navigator 3 min., Powder 2½ min. At 5:30 took in main top mast stay sail and top gallant sails. At end of watch on course N. ¼ W. pat. log 1.5 under topsails, foresail, jib, fore & main mast stay sail & main try sail. Max. heel 6°.

T. M. Brumbo.
Ensign, U.S.N.

6 to 8 p.m.
Fair & pleasant. Moderate to fresh E. x E. by breeze. Barometer steady. Mast roll 6°. Chaplain held evening prayers. At 7:40 took two single reefs in topsails. At end of watch (under) double reefed topsails, foresail, jib, fore & main mast stay sail & main try sail, on course N. ¼ W. pat. log 13.5

Ralph W. Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Stiff breeze from East. On course N. ¼ W. and under same sail as previous watch.

J. T. Newry
Lieut. U.S.N.

Examined and found to be correct.

F. F. Looper.
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from St. Vincent to St Kitts. B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	State of the Sea
A. M.							P. S.									
1	2	8	32.0	N½W	East	4	5°.0	3/4	30.38	77	76	75	77	bcp	cum	4	6
2	3	1	36.1	"	"	4	5°.0	3/4	30.38	77	76	75	77	bc	"	5	"
3	4	6	40.7	"	"	4-5	6°.0	3/4	30.36	77	76	75	76	"	"	6	M
4	5	0	45.7	"	"	4-5	6°.0	3/4	30.35	77	76	75	76	"	"	7	"
5	5	4	51.1	"	"	4-5	6°.0	1	30.36	78	77	74	76	"	cu	9	"
6	5	1	56.2	"	"	4-5	10°.0	1	30.36	79	78	75	77	"	ci	6	"
7	5	1	61.3	"	"	5-6	12°.0	1	30.41	80	79	76	77	"	"	1	"
7.30 8	2	7	64.0	"	"	3	7°.0	3/4	30.42	81	80	77	77	"	"	8	"
9	3 2	5 3	67.5 67.8	Nort	"	4-5	9°.0	1½	30.45	76	75	73	77	bcpq	cum	7	C
10	2	1	69.9	"	"	4-5	8°.0	2	30.45	79	75	73	77	bcq	"	7	"
11	2	6	72.0	"	"	4-5	8°.0	1¼	30.45	79	75	73	77	"	"	3	"
Noon.	4	0	76.0	N½W	"	3-2	6°.0	2	30.45	80	78	75	77	bc	"	5	"

Position at 8 A. M. { Latitude by D R — 15° 10' 00" N — Temp. of Mag.
Longitude by Obs. — 62° 12' 15" W. — Sea — Air
Position at noon: { Latitude by observation — 15° 21' 00" N — 82.80 — 78.75
Longitude by observation — 62° 16' 27" W.
Latitude by D. R. — 15° 12' 46" N
Longitude by D. R. — 61° 57' 00" W.

Course made good since preceding noon: N.N.W.

Distance made good since preceding noon: 125 miles.

Distance by Log since preceding noon: 108.7 miles.

Current per hour: 8/10 miles, set N.N.W. true.

Position at 8 P. M. { Latitude by Polaris — 16° 1' 48" N
Longitude by Obs. Mars — 62° 30' 17" W.

Variation of compass:
Error of compass observed at 5:22 P.M. by azimuth ⊙ ships head North — 13' E by var. — 6:05 by azimuth ⊙ ships head N½W — 50' wly " " 30'
Deviation of compass on 5:22 P.M. " " " " North — 55' wly " " 40'
8:05 " " " " N½W — 20' " " " 30'

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons, 910 lbs.

Coal remaining on hand at noon, 63 " 2190 "

P. M.							P. S.									
1	2	6	78.3	N 5/8 W	E.N.E	3	10°.0	1½	30.43	81	78	75	78	bc	cu	8	S
2	2	6	80.9	"	"	3	10°.0	1½	30.42	81	78	75	78	"	"	8	"
3	5	9	86.2	N ¾ W	"	4-5	10°.0	1	30.41	81	78	75	78	"	"	8	M
4	6	0	92.2	N 3/8 W	"	4-5	10°.0	1	30.41	81	80	75	78	"	"	8	"
5	7	1	1.3	"	"	5	12°.0	½	30.41	81	80	76	78	"	"	8	"
6	5	5	6.8	"	"	5	12°.0	1	30.41	80	79	76	78	"	"	8	"
7	5	5	12.3	North	E.N	6	15°.0	1	30.41	78	78	75	77	"	"	7	"
8	5	4	17.7	"	"	6	15°.0	¾	30.43	78	78	75	77	"	"	7	"
9	2	9	20.5	"	"	5-6	12°.0	¾	30.45	79	78	75	77	"	"	6	"
10	2	9	23.4	"	"	3-5	8°.0	2	30.46	77	77	75	77	"	"	5	"
11	3	7	26.6	N½W	"	3-5	9°.0	2	30.47	78	76	74	77	"	"	5	"
Mid.	4	0	30.6	"	"	3-5	9°.0	2	30.47	75	75	74	77	"	"	6	"
				N½W	East	4-6	9°.0	2	30.47	75	75	74	77	"	"	7	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, February 15th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.
Generally fair and pleasant. Moderate to fresh breeze from East. Slight passing showers at times.
Course N ¼ W p.s.c. under jib, fore topmast staysail, double reefed topsails, fore sail & main topsail.
Ship rolled 6° to port.

C. M. Fahs
Ens. U.S.N.

4 to 8 am.
Clear & pleasant. Fresh to gentle breeze, barometer rising. Rolling easily, maximum 15°. Same sail as previous watch.

Ens. U.S.N.

8 am to meridian. Moderate breeze with fresh breezes from East in squalls first hour. Gentle to light breeze last hours. At 8:00 shook out reefs in topsails. At 8:30 took two single reefs in topsails. At 9:30 mustered at quarters, no absentees. Exercised at setting up and rowing divisional drill. Exercised at sail drills at 10:45. At 11:30 set topgallant sails. At end of watch full & by, course N ¼ W, under topsails, fore sail, topgallant sails, jib, fore topmast staysail and main trysail.

K. M. Bennett Ensign U.S.N.

meridian to 4 p.m.
Fair and pleasant. Gentle E & E by S breezes first part, increasing last two hours to stiff breeze. Barometer falling. Maximum roll 14°. At 12:30 set main topmast staysail. At 1:15 divisional officers inspected bedding of divisions. From 1:45 to 3, watch below exercised at knotting and splicing, and watch on deck at hoosing and furling royals. At 3:30 took in main topmast staysail. At end of watch under same sail as in previous watch, by the log 94.2

Ralph Earle,
Ensign, U.S.N.

4 to 6 p.m.
Clear and pleasant. Fresh breeze from E x N. At 4:45 took in and furled topgallant sails. At 5:15 went to quarters for muster. At 5:30 took a single reef in the topsails. At 5:50 the chaplain said prayers. Full and by first hour, and on course North, second hour of watch. At end of watch under fore sail, single reefed fore and main topsails, jib, fore topmast staysail, and main trysail.

J. T. Newton
Lieut. U.S.N.

6 to 8 p.m.
Fair and pleasant. Fresh breeze from E x N. Course North, p.s.c. under single reefed topsails, fore sail, fore topmast staysail, jib and main trysail. Maximum roll to leeward, 15°.

C. M. Fahs
Asst. U.S.N.

8 p.m. to midnight.
Fair to clear and pleasant. Damp. Gentle to fresh breeze from E x N and East. Barometer rising. At 8:15 took in and stowed jib. At end of watch full and by, under single reefed topsails, fore sail, fore topmast staysail and main trysail. Moon set at 11. Ship rolling and pitching. Maximum roll 15°.

Ens. U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lt.
Navigator.

4—203

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from St Vincent to St Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.							P. S.										
1	3	8	34.4	North	E.N.E.	5	12°-0°	1½	30.44	77	77	74	77	be.	Cu	3	M
2	3	8	38.2	"	"	4-6	12°-0°	1½	30.43	77	77	74	77	"	Cum.	4	"
3	4	1	42.3	"	"	6	10°-0°	1½	30.42	77	77	74	77	"	Cu	6	"
4	4	1	46.4	"	"	6	10°-0°	1½	30.41	77	77	74	77	"	"	6	"
5	5	5	51.9	"	"	5	10°-0°	1	30.42	78	77	74	77	"	"	7	"
6	6	0	57.9	N½W	N6xE	5	10°-0°	½	30.43	76	76	74	77	"	"	5	"
7	7	1	65.0	N½W	"	5-6	12°-0°	½	30.43	76	76	74	76	"	"	6	"
8	6	5	71.5	North	E.N.E.	5-6	12°-0°	½	30.45	79	78	75	77	"	"	8	"
9	6	8	78.3	N½W	N.E.xE.	5-6	12°-0°	½	30.46	79	79	75	77	"	"	8	"
10	4	0	82.3	N½E	"	5-6	12°-0°	0	30.49	84	80	76	77	"	"	8	~
11				Various	E.N.E.	5			30.56	79	81	76		"	"	6	~
Noon.				ExS.	East.	5			30.55	79	81	75		"	"	4	~

Position at 8 A. M.: Latitude by ° ′ ″ Temp. of Sea

Longitude by ° ′ ″ For. 4ft

Position at noon: Latitude by observation ° ′ ″ 81.79 78.77

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 2 tons, 75 lbs.

Coal remaining on hand at noon, 65 " 860 "

P. M.																
1				East	East	5		30.56	79	79	75		be	Cu	4	
2				"	"	5		30.50	81	80	76		"	"	5	
3				ExN	"	4		30.47	79	79	75		"	"	3	
4				East	"	4		30.47	81	80	76		"	Cu Str	5	
5				ExN	"	4		30.47	81	80	75		"	"	5	
6				"	"	4		30.47	79	78	74		be/s	"	4	
7				"	"	4-5		30.48	79	77	74		"	"	3	
8				"	"	4		30.50	79	76	74		"	"	3	
9				ExS.	"	4		30.51	79	78	74		be	"	3	
10				"	"	4		30.51	79	78	74		"	"	5	
11				East	"	4		30.51	79	78	74		"	"	3	
Mid.				"	"	4		30.51	76	76	74		b.c.s.	"	3	

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday February 16th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a.m.
Fair, moderate to fresh breezes from E.N.E. Ship rolling easily, maximum lee roll, 12°. At 3:45 sighted steamer Eight two points on port bow. At end of watch on course, North, stat. log 46.4 under single reefed topsails, foresail, fore topmast staysail & main try sail

4 to 8 a.m. K.M. Bennett Ensign, U.S.N.
Fair and pleasant. Stiff to fresh E.N.E'ly and N.E. x E'ly breezes. Barometer rising. Maximum lee roll 12°. At 4.20 set 1st gallant sails and jib. At daybreak sighted Montserrat bearing E. x S. At 7.00 sighted Nevis and St. Christophe, bearing W. x E. Hend of watch, on course North, log 71.5, under single reefed topsails, topgallant sails, jib, fore topmast staysail, foresail & main try sail.

Ralph W. Earle, Ensign, U.S.N.

8 a.m. to meridian.
Clear and pleasant. Stiff to fresh breeze from N.E. x E. to East. Standing in towards St. Kitts, on course North, and under same sail as in previous watch. At 9.00 observed and furled sail, and made preparations for entering port; coupling up and going ahead with engines. At 10.50 hauled in patent log, reading 86.8. At 11.05 came to with starboard anchor in 7 fathoms, hard bottom, and moored to 30 fathoms at water's edge. Ships head, E. by N. pers. c. Staff, signal station N. 87 W. p.o.c., Light house N. 28 W. p.o.c. Fired a salute of 21 guns, English flag at main, which salute was returned gun for gun, by shore battery. Let fires die out under Boilers No. 6. and distilling with boiler B. The Commanding Officer awarded the following punishments: J. Norbitt, A.B. 2d. class, 10 days extra duty for having on their boys clothing in his possession. Jas. Dwyer, Ldg. 3 days solitary confinement, on bread and water for insolence to Pay Clerk Confined Jas. Dwyer, in accordance with punishment awarded. Sent officer ashore to communicate with U.S. Consul.

J. T. Drury Lieut. U.S.N.

Meridian to 4 p.m.
Fair and pleasant. Fresh to moderate breeze from East. Sent down topgallant yards, unbent the sails, and crossed the yards again. Received a bag of mail from the U. S. Indiana. Exercised for Arm and Away for distant service. All boats ready in two minutes & eight seconds. Distilling.

C. M. Fahs Lieut. U.S.N.

4 to 8 p.m.
Fair & pleasant. Moderate to stiff breeze from East. At sunset sent down topgallant yards. Distilling.

J. T. Drury Lieut. U.S.N.

8 p.m. to meridian.
Cloudy and cool. Moderate breeze from E. x N.

C. M. Fahs Lieut. U.S.N.

Examined and found to be correct.

C. F. Lieper, Lt. Navigator.

4-889

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor, St. Thos. B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E x S.	East	4			30.51	76	76	74		b.c.fg.	cu-m	9	
2				"	"	3-5			30.51	76	76	74		"	"	9	
3				"	"	2-5			30.50	76	76	73		"	"	3	
4				E x N.	"	2-4			30.49	75	76	73		"	"	3	
5				East	"	2-5			30.49	79	77	73		b.c.	cu	9	
6				"	"	3-5			30.49	77	76	73		"	"	7	
7				"	"	3-5			30.49	75	76	74		"	"	6	
8				E N E	E N E	2-4			30.51	77	74	72		b.c.fg.	cu-m	4	
9				"	"	3			30.52	76	78	75		"	"	3	
10				East	"	3-5			30.54	76	75	71		b.c.	"	4	
11				E N E	"	3			30.52	78	79	74		"	"	4	
Noon.				E x N.	"	3			30.50	78	79	72		"	"	4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag. / Longitude by ° ′ ″ Fm ~ Ft

Position at noon: { Latitude by observation ° ′ ″ 81.80 78-78 / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 60 " 610 "

P. M.																	
1				E N E	E. N. E.	4			30.48	79	80	75		b.c.	cu	5	
2				"	"	5			30.46	80	80	75		"	cu-s	4	
3				"	"	5			30.44	80	79	74		"	"	6	
4				"	"	5			30.45	79	78	74		"	cu	7	
5				E x N	"	5			30.45	79	78	74		"	"	7	
6				"	"	5			30.46	78	78	74		"	"	6	
7				East	"	4			30.47	76	78	72		"	cu-s	5	
8				E x N	"	3			30.49	77	77	73		"	"	3	
9				East	"	3-5			30.45	77	75	73		b.c.fg.	"	1	
10				E x N	E x N.	3-4			30.54	75	75	73		b.c.fg.	"	1	
11				East	E N E	3-4			30.51	76	75	72		b.c.	"	1	
Mid.				E S E	East	4-5			30.50	77	76	72		"	"	5	

4—265

under the command of Commander Frank Courtis, U. S. Navy,

Friday, February 17th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy and pleasant. Light to stiff breeze from East, barometer falling.

Ensign, U.S.N.

4 to 8 a.m.
Clear to cloudy, with gentle breeze blowing very fresh in squalls from East & E.N.E. Received in Pay Dept. for use of crew, 152 lbs of bread, also 1 gallon of bread & vegetables. Finished distilling and let fires die out under Boiler B.

J. T. Berry
Lieut. U.S.N.

8 a.m. to meridian.
Cloudy to fair and pleasant. Gentle E.N.E'ly breeze with occasional stiff puffs. Called all hands to clear ship for action at 9:10, and finished in 34 minutes. Then went to General Quarters, all divisions reporting in five minutes. The U.S. Commercial Agent of Basseterre called officially, and upon leaving was saluted with 5 guns, U.S. Ensign at the fore. After General Quarters secured.

C. M. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Fair to clear and pleasant. Moderate to stiff E.N.E'ly breeze, barometer falling. At 1:30 crossed topgallant and royal yards. The Commander left the ship at 1:00, and paid an official call on the Administrator. At 3 the Administrator returned the call & cleaned bilges. Overhauling chain. Tested magazine flood cocks and found them in good condition.

Ensign, U.S.N.

4 to 8 p.m.
Fair and pleasant. Stiff E.S.E'ly breeze. Fired a salute of 13 guns, English Ensign at the fore, when the Administrator left the ship. Later, half masted the colors in honor of the memory of Monsieur Felix Faure, the President of France, who has just died. Overhauled both bower chains and found them to be in good order. Starboard sent down topgallant & royal yards. Moored to 45 fms., at waters edge on the riding chain.

C. M. Fahs
Lieut. U.S.N.

8 p.m. to midnight.
Cloudy to fair and pleasant, occasional passing rain squalls. Gentle to stiff breeze from E.N.E to East. Barometer rising, then falling. At eight o'clock went to five quarters, all divisions reporting in 2 min, 30 sec.

Ensign, U.S.N.

Examined and found to be correct.

E. J. Leahy,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor Basseterre St. Kitts. B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				East	East	4			30.48	77	76	74		b.c.	cu-s	7	
2				"	"	4-5			30.48	77	76	74		"	"	7	
3				E x S.	"	4-6			30.48	77	76	75		"	"	7	
4				"	"	4-6			30.48	77	76	75		"	"	7	
5				E x N.	"	3			30.46	82	76	74		"	"	7	
6				"	"	3			30.46	78	76	74		"	p. cu.	3	
7				ENE	"	3			30.50	78	75	70		"	"	2	
8				"	"	3			30.50	77	76	72		"	cu	5	
9				"	"	3			30.54	78	75	73		"	"	5	
10				E x N	E x N	3			30.56	80	78	74		"	"	6	
11				"	"	3-4			30.55	78	79	74		"	"	5	
Noon.				"	"	3-4			30.54	79	79	74		"	"	7	

Position at 8 A. M. { Latitude by ° ′ ″ Trends of Shag. Fore Aft
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ 61-79 78-77
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons. 450 lbs.

Coal remaining on hand at noon, 60 " 360 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				E x N	E x N	3			30.52	81	79	77		b.c	cu	8	
2				"	"	3			30.51	81	79	76		"	"	8	
3				"	"	3			30.50	80	79	76		"	"	8	
4				"	"	3			30.49	80	78	75		"	"	7	
5				"	"	3			30.45	78	78	76		"	"	6	
6				"	ENE	5			30.48	78	75	73		"	"	6	
7				ENE	"	4			30.49	78	77	73		"	"	8	
8				"	"	4-5			30.50	80	77	74		"	"	6	
9				"	E x N	2-5			30.51	80	77	73		"	"	6	
10				"	"	3			30.52	80	77	73		b.c.p	cu-s	4	
11				"	"	3			30.53	80	77	73		"	"	4	
Mid.				E x N.	"	3			30.53	79	77	74		b.c	"	5	

4—665

under the command of Commander Frank Courtis, , U. S. Navy,

Saturday, February 18th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 4 until 4 a.m.
Fair pleasant weather. Moderate breezes from East, with fresh squalls. Moon set at 1.15

S. M. Bennett Ensign, U.S.N.

4 to 8 a.m.
Cloudy to fair. Gentle breeze from East. Rec'd on Pay Dept. for the crew, fresh provisions as follows: 158 lbs of bread, 190 lbs of meat, 190 lbs Vegetables.

A. M. Fahs
Asst. U.S.N.

8 pm to meridian
Fair and pleasant. Gentle to moderate breeze from East and E x N. Barometer falling slightly. Crossed topgallant yards, and bracing. The Commander assigned the following Punishments: D. McLaughlin, ord. sea. failing to clean bright work. 4 hrs. extra duty. Jas. Graham, Mate, continued on sick list. Chas. Lee, 2d class. Cleaning ship most of watch.

W. F. Lee
Ensign, U.S.N.

meridian to 4 pm.
Fair pleasant weather. Gentle breezes from E x N and E N E, with fresh squalls third hour. Sent liberty party ashore at 2.00 p.m.

S. M. Bennett Ensign, U.S.N.

4 to 8 p.m.
Fair to clear and pleasant. Gentle to stiff breeze from E x N and E N E. Barometer falling slowly. American brigantine Daisy Todd came into port and was boarded, she being loaded with lumber and 11 days out from New York.

W. F. Lee
Ensign, U.S.N.

8 pm to midnight
Cloudy, light passing showers, middle of watch. Light airs & gentle breezes from E x N, with occasional stiff squalls.

S. M. Bennett Ensign, U.S.N.

Examined and found to be correct.

T. F. Leyton,
Lieutenant, U.S.N. Navigator.

4-285

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Anchor, Basseterre, St. Kitts, B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				E x N.	E. N E.	4			30.51	78	76	73		b. c	cu	7	
2				East	East	3-5			30.49	78	76	73		b c/s.	cu-st	3	
3				E x S.	"	3			30.48	77	76	73		"	"	7	
4				"	"	3			30.48	78	76	73		b. c	cu.	9	
5				East	"	3-4			30.48	80	76	74		"	"	8	
6				"	"	2-4			30.50	80	76	74		"	"	6	
7				"	"	3			30.51	80	78	75		'	a cu	5	
8				"	"	3			30.52	80	79	76		"	"	6	
9				E x S.	"	3			30.55	82	78	73		"	cu	8	
10				"	"	4			30.56	82	79	73		"	"	7	
11				"	"	4			30.57	82	79	74		"	"	8	
Noon.				"	"	4			30.56	82	80	75		"	"	6	

Temp of Mag. Fm 8 A.M. 81-79 77-77

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 59 " 2150 "

P. M.																	
1				East	East	3			30.52	84	80	76		b. c.	cu.	5	
2				"	"	2-3			30.51	83	82	75		"	"	7	
3				E x N	E x N.	3			30.49	82	80	75		"	"	6	
4				East	"	3			30.49	82	80	75		'	"	6	
5				E x N.	"	3			30.49	81	80	75		"	"	6	
6				"	"	3			30.49	80	79	75		"	"	6	
7				"	"	3			30.49	79	76	73		"	"	5	
8				"	"	3			30.49	78	76	73		"	"	4	
9				East	"	4			30.49	78	76	73		"	"	7	
10				"	"	4			30.50	78	76	73		"	"	7	
11				"	"	3			30.50	77	76	73		"	"	6	
Mid.				"	"	3			30.50	77	76	73		"	"	6	

4—365

under the command of Commander Frank Courtis, , U. S. Navy,

Sunday, February 19th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy & pleasant with passing rain squalls. Moderate E & N E by E to stiff E by E breeze and gentle
Barometer falling. Moon set at 1:40.

Raegh Earle,
Ensign, U.S.N.

4 to 8 a.m.
Fair & pleasant. Light to moderate breeze from East. Barometer rising. Received in Dept of Supplies & Accounts following fresh provisions: 150 lbs of bread, 750 lbs. each of beef and vegetables.

J. Hurst Shiu
Ensign, U.S.N.

8 a.m. to meridian.
Clear & pleasant. Gentle to moderate breezes from East. At 9:30 mustered at quarters, no absentees. The Commanding Officer inspected the ship & crew. At 10:40 the Chaplain held Divine Services. High Barometer.

W. M. Bennett, Ensign, U.S.N.

meridian to 4 p.m.
Fair & pleasant. Light to gentle E by E and E by S breezes. Barometer falling. At 1:30 the chaplain held Divine Service. At 3:00, American schooner yacht Oriana came in and anchored.

Raegh Earle,
Ensign, U.S.N.

4 to 8 p.m.
Fair & pleasant weather. Gentle breezes from E & S.

W. M. Bennett, Ensign, U.S.N.

8 p.m. to midnight.
Fair & pleasant. Moderate to gentle E & S by E breezes. Barometer rose slightly. Bright moon light.

Raegh Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lawton.
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor, Basseterre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				E x N	E x N	3			30.49	77	75	71		b.c	cu	4	
2				East	East	3			30.48	77	75	71		"	"	4	
3				"	"	2-3			30.46	77	75	70		"	"	4	
4				"	"	3			30.45	77	75	70		"	"	4	
5				"	"	3			30.46	80	75	70		"	"	7	
6				E x N	E x N	3			30.47	79	76	74		"	"	3	
7				E x N	N.E.	3			30.48	79	76	70		b.c.p	cu.nim	4	
8				"	"	3			30.50	79	76	71		"	"	5	
9				"	E x N.	3			30.51	79	77	74		b.c	"	5	
10				E x S.	East	3			30.51	78	80	80		"	"	7	
11				S	"	3			30.51	79	80	80		"	"	8	
Noon.				"	"	3			30.51	82	82	81		"	"	8	

Position at 8 A. M.: Latitude by ° ′ ″ Temp. of Mag. 81-79

Longitude by ° ′ ″ Jm 78-77

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 59 " 1700 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																	
1				E x N	E x N	3			30.49	83	81	73		b.c.	st.cu	9	
2				"	ENE	2-3			30.46	80	79	74		"	cu.	7	
3				ENE	"	3			30.44	80	79	73		"	cu	6	
4				E x N	"	3			30.44	81	79	74		"	"	6	
5				"	"	3			30.44	81	79	74		"	"	6	
6				"	"	3			30.44	80	79	N		"	"	7	
7				East	"	3			30.45	77	77	76		"	"	7	
8				E x N	E x N	3			30.45	76	76	74		"	"	7	
9				"	"	3			30.46	77	76	73		"	"	8	
10				ENE	"	3			30.47	78	76	73		"	"	7	
11				East	ENE	3			30.46	79	76	73		"	"	6	
Mid.				E x N	"	3			30.46	77	76	73		"	"	6	

4—265

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, February 20th, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 4 until 4 a.m.
Fair & pleasant. Gentle breeze from East. Barometer falling slowly. Moon set at 2:00

J. F. Dewey
Lieut. U.S.N.

4 to 8 a.m.
Fair pleasant weather. Light to gentle breezes from East to N.E. Received in Dept. of Supplies and Accounts fresh provisions as follows: 190 lbs. meat, 190 lbs. vegetable, & 152 lb. Bread. Crossed royal yards at 8:00.

K. M. Bennett Ensign, U.S.N.

8 a.m. to meridian.
Fair & pleasant. Light E'ly breezes. Barometer steady. At 9:00 loosed sail to best bower. At 9:30 mustered at quarters. Called the roll. From 9:30 to 10:45 exercised all boats under oars. Navigators division, company drill. At 11:30 furled sail. Maximum temperature of magazines, 81. Provisions as per list. Little accident all'y.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Clear to fair and very pleasant. Light to gentle breeze from E.N.E. From 1 to 3 exercised all hands at sail drill. At 1:15 the yacht Gitana left the harbor.

J. F. Dewey
Lieut. U.S.N.

4 to 8 p.m.
Fair & pleasant. Light to gentle E. & E'ly to E. & N'ly breezes. Barometer rose slightly. At sundown sent down light yards. At 7:30 went to General Quarters, divisions ready as follows: 1st, 5 mins., 2d, 7 mins., 3d 4½ mins., 4th, Nav. 6 mins., Powder, 5 mins. Secured at 8:00, all divisions being secured at 8:04 p.m. At 7:00 the Chaplain held evening prayers.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight
Clear to fair and very pleasant. Bright moon light. Light breeze from E. & N. Barometer rising slowly.

J. F. Dewey
Lieut. U.S.N.

Examined and found to be correct.

P. F. Lyon,
Lieutenant, U.S.N. Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At anchor, Basseterre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths.	State of the Sea.
A. M.																	
1				East	ENE	2			30.45	77	77	74		bc	cu	7	
2				E x N	"	2			30.45	77	76	73		"	cu n	6	
3				"	"	2			30.45	76	76	73		"	"	4	
4				"	East	3			30.46	76	76	73		"	"	6	
5				ENE	ENE	3			30.42	77	75	72		"	"	4	
6				"	"	3-4			30.43	77	75	72		bc/o	"	4	
7				E x N	NE	2			30.45	75	76	73		"	"	4	
8				"	"	2			30.45	78	76	73		bc	"	4	
9				East	East	3-4			30.49	80	78	73		"	"	6	
10				E x S	"	3-4			30.49	81	78	74		"	cu	7	
11				E x N	E x N	3-4			30.49	81	80	76		"	"	7	
Noon.				East	East	3			30.49	83	81	74		"	"	8	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 600 "

Coal consumed during the preceding 24 hours, 1 tons, 810 lbs.

Coal remaining on hand at noon, 58 " 1290 "

P. M.																	
1				East	East	3			30.49	86	84	76		bc	cu	8	
2				"	"	3			30.48	85	82	75		"	"	8	
3				E x N	E x N	3			30.45	83	82	75		"	"	8	
4				"	"	2			30.43	82	80	75		"	"	8	
5				"	"	3			30.43	82	79	75		"	cu	6	
6				"	"	3			30.43	79	78	73		"	cu	5	
7				"	"	3-4			30.44	77	77	73		"	"	8	
8				"	"	3			30.44	77	77	74		"	"	9	
9				"	"	2			30.44	77	77	74		"	"	7	
10				ENE	ENE	2			30.45	77	77	74		"	"	6	
11				"		3			30.45	77	77	73		"	"	5	
Mid.				"		4			30.45	77	76	73		"	cu n	4	

4—265

under the command of Commander Frank Courtis, U. S. Navy,
Tuesday, February 21st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a.m.
Fair & pleasant. Light E.N.E'ly breeze. Moon set at 3:30

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Generally fair & pleasant. with light passing rain showers. Light to moderate E.N.E'ly, and N.E'ly breezes. Barometer rising. At 6:15 started fires under boiler B for the purpose of distilling. At 8:00 crossed royal and top gallant yards. Rec'd in pay dept, 132 lbs of bread, and 190 each of fresh meat and vegetables.

Ralph Earle.
Ensign, U.S.N.

8 a.m. to meridian.
Clear & pleasant. Gentle breeze from East. Barometer steady. At 9.30 went to quarters for inspection followed by all hands up drill. At 9.44 sounded "call out all boats" which were ready as follows. 1st & 2d Cutters, Jolly 50 ft, 3d 9.48, 4th & whaleboat 9.53, gig 9.50, 1st launch, 9.54 ft. Provided boats for abandoning ship, and secured at 10.03. The Commanding Officer awarded the following punishments; P. Ritter, apprentice 3d cl. direct disobedience of orders. 2 days solitary confinement on bread and water. B. Cole, apprentice 3d cl. Laughing and otherwise inattentive at drill, 3 days solitary confinement on bread and water. G. E. Leonard, apprentice 3d cl. and T. J. McAnulty, apprentice 3d cl. fighting, 8 hrs single irons on half deck. C. Hollums apprentice 3d cl. grossly careless in regard to boat, seriously damaging government property. 4th class. Confined the first two named boys in accordance with punishment awarded. Swinging along side the garboard hole was punched through the 1st cutter by reason of one of the oars not being properly stowed. Exercised boys of 1st div. in leaving the lead and bag. Engaged in measuring off the engine during forenoon. Exercised 2d division of boys in using palm and needle.

T. T. Dewey
Lieut. U.S.N.

meridian to 4 p.m.
Fair and pleasant. Gentle to light breeze from East and E. by N. Exercised at spar drill; finally left the top gallant yards crossed. Exercised 2d Div. of apprentices at leaving the lead, & 3d Div. apprentices at sewing with palm & needle.

C. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Clear & pleasant. Gentle breeze from E. by S. Bright moon light.

T. T. Dewey
Lieut. U.S.N.

8 p.m. to midnight
Fair and pleasant. Gentle breeze from E. by N.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

T. T. Leeper.
Lieutenant U.S.N. Navigator.

4-560

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor. Basseterre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Odds.	State of the Sea.
A. M.				E N E	E N E	4			30.45	77	77	74		bc	cu N	4	
1				E x N	"	4-5			30.43	77	77	73		"	cu	4	
2				"	"	4			30.44	77	77	73		"	"	5	
3				E x S.	E x N	4			30.41	78	78	73		"	cu n	6	
4				East	East	4			30.42	78	78	73		"	"	6	
5				"	"	3			30.42	78	76	74		"	"	5	
6				"	"	2			30.42	77	76	76		bcp	"	4	
7				"	"	3			30.42	78	78	74		bc	"	5	
8				E N E	N E x E	2			30.43	81	78	74		bcp	"	4	
9				S E x E	E S E	3			30.45	78	77	74		"	"	3	
10				E x S	East	2			30.45	84	79	75		"	"	5	
11				E N E	E N E	3			30.44	83	79	75		bc	"	4	
Noon.																	

Position at 8 A. M. { Latitude by / Longitude by } ° ' "

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ' "

Temp of Mag. Fore 81-78 Aft 77-77

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, 1 tons, 1060 lbs.

Coal remaining on hand at noon, 57 " 390 "

P. M.																	
1				E x N	E x N	2			30.41	85	80	70		bcp	cu n	4	
2				East	"	2			30.40	83	79	70		"	"	2	
3				E N E	N E	3			30.37	87	78	74		"	"	2	
4				East	"	2			30.37	87	78	74		"	"	3	
5				E x N	E x N	2			30.37	81	78	74		"	"	3	
6				"	"	3			30.37	81	78	74		"	"	3	
7				"	"	3			30.38	79	77	74		"	"	2	
8				E N E	E N E	3			30.38	78	75	73		"	"	2	
9				"	"	3			30.38	75	75	73		o.c.p.	rain	0	
10				E x N	East	3.5			30.38	75	74	73		"	"	0	
11				"	"	3-5			30.38	74	74	73		"	"	0	
Mid.					E x S.	3-4			30.38	74	73	73		bc. r.	"	0	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, February 22, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & pleasant. Moderate to stiff E.N.E. by breeze. Barometer falling. Moonlight throughout watch.

C. Hunt Lieut
Engaged U.S.N.

4 to 8 a.m.
Fair & pleasant. Light to moderate breezes from East. Passing shower 2d hour. Moon set at 4.10. At sunrise dressed ship, rainbow fashion. Read for use of crew, 190 lbs each of beef and vegetables, and 152 lbs. of bread.

J. F. Newry
Lieut. U.S.N.

8 am to meridian.
Cloudy & pleasant. Light to gentle breeze from N.E. & E. to East. At 9.30 inspected at quarters. The following punishments were awarded by the Commander. J. Smith, app. 3cl, skylarking at drill & 1 hr extra duty. O.F. Clark, app 3cl & L.J. Bowie, app 3cl, misbehavior at fire formation, each reduced to 2d class. N.T. Moon, app 3cl., shirking while work was going on, 10 hrs extra duty. O.E. Hunt, app 3cl., standing on muzzle of gun while cleaning ship side, 10 hrs extra duty. Boys engaged in athletic sports. At noon fired a national salute of 21 guns, in honor of the day. The battery on shore also saluted with 21 guns.

C. M. Faho
Lieut. U.S.N.

meridian to 4 p.m.
Fair & pleasant, occasional showers. Light to gentle breeze from E. & N. and N.E. Barometer falling.

C. Hunt Lieut
Engaged U.S.N.

4 to 8 p.m.
Cloudy & pleasant, with occasional passing showers. Light to gentle breeze from E. & S. At sunset, undressed ship.

C. M. Faho
Lieut. U.S.N.

8 p.m. to midnight.
Cloudy & rainy. Gentle to stiff breeze from E.N.E. to E. & S. Barometer steady.

C. Hunt Lieut
Engaged U.S.N.

Examined and found to be correct.

S. F. Leutze
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor off Basseterre, St. Kitts, B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E x N	E x N	3			30.49	77	75	71		be	cu	4	
2				East	East	3			30.48	77	75	71		"	"	4	
3				"	"	2-3			30.46	77	75	70		"	"	4	
4				"	"	2			30.45	77	75	70		"	"	4	
5				"	"	2			30.46	80	75	70		"	"	7	
6				E x N	E x N	2			30.47	79	76	72		"	"	3	
7				"	N E.	2			30.48	79	76	70		bcp	cus	4	
8				"	"	3			30.50	79	76	71		"	"	5	
9				E x S	E x N	2			30.51	79	77	74		be	cu	5	
10				South	East	2			30.51	78	80	80		"	"	7	
11				"	"	2			30.51	79	80	80		"	"	8	
Noon.				"	"	2			30.51	82	82	81		"	"	8	

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Mag.
Longitude by ° ′ ″ For Dkft

Position at noon: { Latitude by observation ° ′ ″ 81-79 78-77
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 1 tons, 910 lbs.

Coal remaining on hand at noon, 55 " 1560 "

P. M.																	
1				E x N	E x N	3			30.49	83	81	73		be	2 cu	9	
2				"	E N E	2-3			30.46	80	79	74		"	cu	7	
3				E N E	"	2			30.46	80	79	73		"	cu cu cu	6	
4				E x N	"	2			30.46	81	79	74		"	"	4	
5				"	"	2			30.46	81	79	74		"	"	4	
6				"	"	2			30.46	80	79	74		"	"	7	
7				East	"	2			30.45	77	77	74		"	"	7	
8				E x N	E x N	2			30.45	76	76	72		"	"	7	
9				"	"	2			30.46	77	76	73		"	"	8	
10				E N E	"	3			30.47	78	76	73		"	"	7	
11				East	E N E	2			30.46	77	76	73		"	"	6	
Mid.				E x N.	"	2			30.46	77	76	73		"	"	6	

4—955

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, February 23d , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Overcast, cloudy. Light drizzling rains all watch. Gentle to moderate breezes from E.S.E and E.N.E, with fresh squalls at 3:00.

4 to 8 am
Fair & cool. Moderate to gentle E.N.E'ly breeze. Recd in Pay Dept for the crew, 152 lbs, bread, 190 lbs. beef and 190 lbs veg Tables. At 8:00 crossed royal yards.

F.W.M Burnett Ensign, U.S.N. Pay Officer in charge of Provisions and Clothing

C.M. Fahs
Lieut. U.S.N.

8 am. to meridian.
Fair & pleasant. Light breeze from East to E.N.E. Barometer falling. At 9:30 mustered at quarters. After muster exercised all divisions at setting up, after which had drill of infantry battalion. Ship rolling easily, about 5° each way.

A.T. Hinds
Ensign, U.S.N.

meridian to 4 p.m.
Clear and pleasant. Light to gentle breezes, from E.N.E. At 1:00 loosed sail. At 1:30 exercised at loosing & furling sail.

F.W.M Burnett Ensign, U.S.N.

4 to 8 p.m
Clear & pleasant. Gentle breeze from E.N.E Barometer steady. American whaling schooner Chas Nelson, came into port and was boarded by an officer. At sunset sent down t'gallant and Royal yards. Ship rolling about 3° to 5°.

A.T. Hinds
Ensign, U.S.N.

8 p.m to mid night.
Clear & pleasant. Cloudy last hour. Bright moonlight. Moderate breezes from E.N.E.

F.W.M Burnett. Ensign U.S.N.

Examined and found to be correct.

E.F. Leiper.
Lieutenant, U.S.N. Navigator.

4-899

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor off Basseterre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				East	E×N	3			30.39	77	77	73		be	cu	5	
2				E×N	"	3			30.38	77	77	73		"	"	5	
3				"	ENE	3-4			30.36	77	77	73		b.c.p.	"	4	
4				"	"	3-4			30.35	77	77	73		bc	"	5	
5				"	"	3			30.35	77	77	73		"	"	5	
6				"	"	2			30.36	77	77	73		"	"	4	
7				ENE	"	4			30.37	76	76	73		bcp	"	4	
8				"	"	3			30.38	78	77	75		bc	"	4	
9				E×N	E×N	3-4			30.40	80	79	75		bcp	cu-n	4	
10				ENE	"	3-4			30.40	81	79	76		bc	"	4	
11				East	"	3-4			30.42	82	79	76		bcp	"	2	
Noon.				"	"	3			30.42	82	79	74		"	"	1	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag.
Longitude by ° ′ ″ Iron Mfr

Position at noon: { Latitude by observation ° ′ ″ 80-78 77-77
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 1710 lbs.

Coal remaining on hand at noon, 54 " 450 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				ENE	ENE	3			30.39	80	79	75		bcp	cu-n	4	
2				E×S	"	3			30.37	79	78	75		"	"	4	
3				"	"	3			30.36	78	78	75		"	"	4	
4				"	E×N	3-5			30.35	77	77	74		"	"	3	
5				East	"	4			30.35	79	78	74		bc	"	6	
6				"	"	3			30.35	79	78	74		"	cu-n	5	
7				"	"	3			30.36	78	77	73		"	"	6	
8				"	"	3			30.37	78	77	72		"	"	3	
9				E×N	"	3			30.37	78	77	72		"	"	4	
10				ENE	ENE	3			30.39	77	77	74		"	"	4	
11				"	"	3			30.39	77	76	71		"	"	4	
Mid.				"	"	3			30.39	76	76	71		"	"	4	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, February 24th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy & pleasant, with passing showers. Gentle to moderate E x N ly & E N E ly breezes. Barometer falling. Moonlight.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Fair & pleasant. Light to moderate breezes. Barometer rising. At 7:35 crossed top gallant & royal yards. Received in Dept. of Sup. & Sects., following fresh provisions. 152 lbs of bread, and 150 lbs each of vegetables & beef.

A. Purdum
Ensign, U.S.N.

8 am to meridian.
Cloudy, light passing showers. Gentle to moderate breezes from E x N. At 9:30 called to general quarters, divisions reported ready as follows: 1st, 9:24½; 2d 9:35; 3d 9:38½; 4th 9:35½; Nav. 9:35½; Powder, 9:32. Exercised Boarders & riflemen. Boarders secured at 9:48, divisions reported secured as follows: 1st, 9:51½; 2d 9:51½, 3d 9:50, 4th 9:51. Nav. 9:51 & Powder 9:51. The Commanding Officer assigned the following punishments at the mast: M. M. Sellon, C. F. Boyd, C. J. Baker, N. R. King, appr. 3d class, slow in obeying orders, 4 hrs extra duty. F. W. Shannon, appr. 3d, neglecting to salute Commanding Officer, 4 hrs extra duty. G. R. Welch, appr. 3d, vile language to Ck. M. A. 5 days solitary confinement on bread and water. W. Sullivan, appr. 3d, having another person's blanket in his possession, 2 days solitary confinement on bread and water. A. W. Kashler, appr. 3d, late hammocks, 1½ hrs extra duty. J. J. Moon, appr. 3d, Oil skin clothes adrift, 4 hrs extra duty. E. A. Child, appr. 3d, interfering while at drill, 4 hrs extra duty. W. E. Brown, appr. 3d, Not obeying orders, 4th class. O. R. Johnson, cox., Gross disobedience of orders, 2d class.

F. M. Bennett, Ensign, U.S.N.

meridian to 4 p.m.
Cloudy and pleasant. Gentle to stiff E N E ly and E x N ly breezes. Barometer falling. Schooner Chas. Hayden left the harbor. The Comdg. Officer and Officers held a reception on board to friends on shore from 2:30

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Fair pleasant weather. Gentle to stiff breezes from E N E and E x N. At 7:00 hauled in Gangway. At 7:20, by direction of Commanding Officer, placed W. J. McCarrick, S. C. 1st class, in irons to await action, he having been found with liquor in possession. The Comdg. Officer & officers entertained friends from shore at a reception in what 6:30.

F. M. Bennett, Ensign, U.S.N.

8 p.m. to midnight.
Cloudy and pleasant. Gentle E x N to E N E ly breezes. Barometer rose slightly. Moonlight.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant, U.S.N. Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor off Basseterre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				East	E x N				30.36	76	76	74		b. c.	Cu	8	
2				E N E	E N E				30.35	76	76	74		"	"	7	
3				E x N	"				30.35	75	75	74		"	"	9	
4				E N E	"				30.34	76	75	74		"	"	9	
5				"	"				30.34	76	75	74		"	D.	8	
6				"	"				30.35	75	76	74		"	cu. n.	8	
7				"	"				30.36	75	76	74		"	"	3	
8				"	"				30.40	75	75	74		"	"	4	
9				N 6 x E	N 6 x E				30.43	77	77	74		"	"	3	
10				"	"				30.43	78	78	74		"	"	3	
11				E x N	"				30.43	80	76	78		b. c. d. q.	"	7	
Noon.				East	East				30.42	80	78	76		b. c.	"	3	

Position at 8 A. M. { Latitude by D.R. 18 ° 57' 24" N Temp of Mag. 77-77
Longitude by Obs. 0 70 ° 26' 00" W Dew Pt 74

Position at noon: { Latitude by observation 14 ° 6' 45" N 80-78
Longitude by observation 70 ° 35' 16" W
Latitude by D. R. 14 ° 13' 00" N
Longitude by D. R. 70 ° 19' 45" W

Course made good since preceding noon: N 47° W.

Distance made good since preceding noon: 132 miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 53 " 1790 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				East	E x S	4			30.40	80	78	75		b. c.	Cu. n.	4	
2				E x S.	"	4			30.38	81	79	76		"	"	6	
3				E x N	"	4			30.36	80	79	76		"	"	6	
4				"	"	3			30.36	80	79	76		"	"	4	
5				"	E x N	2			30.37	80	79	76		"	"	6	
6				"	"	3			30.36	77	78	76		"	"	5	
7				"	"	3			30.36	77	77	75		"	"	6	
8				"	"	3			30.39	77	77	74		"	"	3	
9				"	"	3			30.40	77	76	74		"	"	4	
10				E N E	"	3			30.40	78	76	74		"	"	6	
11				E x N.	"	3			30.41	77	76	74		"	"	4	
Mid.				"	"	3			30.41	77	76	74		"	"	5	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, February 25th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 until 4 a.m.
Clear & pleasant. Moderate breeze from E. & N. and E. N. E. Bright moonlight

J. F. Drury
Lieut. U.S.N.

4 to 8 a.m.
Fair pleasant weather. Light to gentle breezes from E. N. E. At 5:50 the royal mail steamer "Dolcet" came in and anchored. At 7:45 she got under way and stood out to N'd and W'd.

F. M. Bennett. Ensign, U.S.N.

8 a.m. to meridian.
Cloudy & pleasant, with passing rain squalls. Gentle to stiff N. E. & E. by E. to E. by S. breeze. Barometer falling. Comndg. Officer assigned the following stations:- G. M. Rossh & G. Hearst, Appr. 3d class, failing to clear fuel deck in order ordered, who were on duty; and placed J. D. McLaughlin, app. 3d, in single room to await action of Comndg. Officer for insubordination and insolence; and also Wm. J. McCarrick, B. C. Hd. for bring under influence of liquor and having liquor in his possession. Aired bedding. Cleaned ship. Maximum temperature of magazine 80°.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Fair & very pleasant. Moderate breeze from E. & S. Sent down royal & t'gallant yards, boat sails, and awning. Stowed the latter. Moored ship with 5 fathoms of starboard chain to the hand capstan, afterwards veering to 45 fathoms at water's edge. Sent main t'gallant mast, stay sail, fore & aft rigging, secured boats and made other preparations for sea. Received for use of crew, 52 lbs of bread, and 90 lbs each of beef & vegetables. Cleaned bilges.

J. F. Drury
Lieut. U.S.N.

4 to 8 p.m.
Fair & pleasant. Light to gentle E. & N'ly breeze. Barometer rising. Moon rose at 6:45. Continued preparations for sea. At 7:00 the chaplain held evening prayers.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Bright moonlight. Gentle breeze from E. & N.

J. F. Drury
Lieut. U.S.N.

Examined and found to be correct.

E. T. Lopez
Lieutenant, U.S.N. & Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor off Basseterre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E N E	E N E	3			30.40	77	76	73		bc	cu	4	
2				"	"	3			30.39	77	76	73		"	"	4	
3				"	"	3			30.37	76	76	73		"	"	4	
4				"	"	4			30.36	76	76	73		"	"	4	
5				"	"	4			30.36	80	76	74		"	"	7	
6				"	"	3			30.38	80	76	74		"	"	7	
7				"	"	4			30.39	80	76	70		"	"	7	
8				"	"	4			30.40	80	77	74		"	"	7	
9				"	"	4			30.45	83	79	73		bc fb	cu N	3	
10			86.8	Various	"	3			30.45	80	79	74		bc	"	6	
11	5	9	94.7	N W x W	"	3			30.45	77	80	74		bc fb	"	7	
Noon.	5	9	98.6	N W ½ W	"	2-3			30.45	77	80	76		"	"	4	

Position at 8 A. M.: Latitude by ° ′ ″ Temp. of Aug. For Kfg

Longitude by ° ′ ″

Position at noon: Latitude by ~~observation~~ Bearings of land 17 ° 21 ′ 00 ″ N

Longitude by ~~observation~~ " " " 62 ° 55 ′ 00 ″ W.

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by D. R. 17 ° 40 ′ 00 ″ N.

Longitude by Alt. Mars. 63 ° 47 ′ 00 ″ W.

Variation of compass:

Error of compass observed at 5.19 p.m. by azimuth ⊙ ship's head N W ½ W 5° 00′ wly.

Deviation of compass on " " " " " 4° 00′ " var. used 1° wly

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 450 lbs.

Coal remaining on hand at noon, 53 " 1240 "

P. M.																
1	5	3	5.9				22.									
2	7	3	13.2	N W ½ W	E N E	4	5-0		30.42	75	79	76	76	bc	cu	4	5
3	9	0	22.0	"	"	4½	5-0		30.42	75	79	76	76	"	"	4	"
4	10	6	28.8	N W	"	6	5-0		30.39	78	78	72	76	"	"	3	"
5	6	0	34.8	N W x W ½ W	"	4	5-0		30.39	78	78	72	76	"	cu	4	"
6	6	5	41.3	"	East	4	5-0		30.39	78	78	72	76	"	"	5	"
7	6	0	47.3	"	"	4	4-0		30.40	76	76	72	75	"	"	5	"
8	5	7	53.0	"	"	4	4-0		30.41	76	76	72	75	"	"	7	"
9	5	6	58.6	"	"	4	4-0		30.42	76	76	72	75	"	"	9	"
10	6	1	64.7	"	"	4	4-0		30.42	78	78	72	75	"	"	7	"
11	5	9	70.6	"	"	4	5-0		30.44	77	77	72	75	"	cu	8	"
Mid.	5	8	76.4	"	"	4	5-2		30.44	77	77	72	75	"	"	6	"
				"	"	4	5-2		30.43	77	77	72	75	"	cu	7	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, February 26th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy and cool. Strong to moderate E.N.E. by breeze

C.M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Fair & pleasant. Moderate E.N.E. by breeze. Barometer rising. At 6:50. British steamer "Pretoria" came in and anchored. Completed preparations for sea. Draft of ship, fore 21'3", aft 16'6"

Ralph Earle,
Ensign U.S.N.

8 am to meridian.
Cloudy and pleasant. Light to moderate breezes from E.N.E. Passing rain squalls last part of watch. At 9:30 went to quarters for inspection & muster. At 9:57 got under way under sail, and stood out of the harbor of Basseterre. At 10:20 put over patent log reading 86.8 and changed course to West. At 10:40 log reading 91. changed course to N.W. x W. and at 11:10 pat. log reading 93.3 changed course to N.W. & W. At 10:30 set clock back 13 minutes. At end of watch under all plain sail except main sail & spanker, and fore & main top mast staysails. At noon took departure by 3 point problem, Lat. 17°5' N. Longitude 62°55' W. By order of Commanding Officer, placed A.J. McCarrick, Ch. C. Hel., in solitary confinement, on bread & water for 5 days, for being under the influence of liquor and having liquor in his possession.

J. Lowry
Lieut. U.S.N.

meridian to 4 p.m.
Cloudy & pleasant. Moderate & fresh breezes from E.N.E. Course N.W. 1/2 W. (p.c.). Under all sail except main sail and spanker. At 2:60 changed course to N.W. p.c. and at 3:00 changed course to N.W. x W. 1/2 p.c. At 2:00 took in fore topmast staysail and at 3:00 took in and furled main topmast staysail & main trysail. Passing first the Island of St. Eustatius, and the Saba on the starboard hand, about 5 miles distant. At 4:00 took in & furled royals, and flying jib. Held divine service at 2 p.m.

C.M. Fahs
Lieut. U.S.N.

4 to 6 p.m.
Cloudy & pleasant. Moderate breeze from East. Barometer steady. Saba Island in sight on starboard hand. On course N.W. x W. 1/2 W. under plain sail to topgallant sails except main sail, spanker and fore topmast staysail. At 5. is went to quarters for muster, after which held prayers.

Ralph Earle
Ensign, U.S.N.

6 to 8 p.m. Clear pleasant weather. Moderate breezes from East. At 6:15 took in and furled topgallant sails. Moon rose at 6:55. At end of watch on course N.W. x W. 1/2 W. ship under topsails, forsail & jib, pat. log 55. Maximum lee roll, 6°.

8 p.m. to mid night
W.M. Bennett, Ensign U.S.N.

Fair & pleasant. Moderate E'ly breeze. Barometer fell slightly. Moon light. Maximum roll 5°. At end of watch on course N.W. x W. 1/2 W. p.c., log 76.4. Same sail as previous watch.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

F.F. Lupton
Lieutenant, U.S.N. Navigator.

4-365

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from St. Kitts to St. Thomas, D. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.							P. S.										
1	6	0	80.2	NW×W½W	East	4	4-0		30.42	77	77	73	75	be	cu	4	S
2	6	3	86.7	"	E×S	4-5	4-0		30.40	77	77	73	76	ocp	cu	0	"
3	5	7	92.7	"	East	4	4-0		30.41	77	78	73	75	be	"	3	"
4	4	1	98.8	"	"	4	4-0		30.39	77	76	73	75	bcp	"	3	"
5	6	5	03	"	"	4	4-0		30.39	77	76	73	74	be	cu cu	5	W
6	6	7	13.0	"	"	4-5	4-0		30.39	78	76	73	74	bcp	cu	4	"
7	5	2	18.2	NNW½W	ENE	4-5	5-0		30.40	78	77	73	74	"	"	4	"
8	3	8	22.0	NN×N	"	4-5			30.40	78	77	73	74	ocp	"	0	"
9	2	5	24.5	N×W½W	"	3			30.40	76	77	74	74	"	"	0	"
10				NE×N	NE×N	2-4			30.50	79	77	74		"	"	0	
11				ENE	ENE	2-5			30.50	80	79	74		"	"	2	
Noon.				"	"	2-4			30.50	80	79	74		"	"	3	

7.36

Position at 8 A. M. { Latitude by / Longitude by } ° ' "

Temp. of Mag. From Aft
80.78 79.77

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 900 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 1 tons, 1990 lbs.

Coal remaining on hand at noon, 51 " 1590 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				ENE	ENE	3			30.48	80	79	74		be	cu	5	
2				"	"	3			30.45	79	79	74		"	"	5	
3				"	"	3-5			30.45	79	79	73		"	"	6	
4				"	"	3-5			30.45	79	78	73		"	"	6	
5				"	"	3			30.45	78	78	74		"	ci cu	9	
6				"	"	3-4			30.45	77	76	74		"	"	9	
7				E×N	"	3			30.46	77	76	73		"	"	9	
8				East	E×N	2-3			30.47	77	76	73		"	"	9	
9				ENE	ENE	/			30.49	77	75	73		"	cu	9	
10				"	"	/			30.49	76	75	73		"	"	9	
11				"	"	/			30.49	76	75	73		"	"	9	
Mid.				"	"	/			30.49	76	75	73		"	"	9	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, February 27th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Generally cloudy with passing showers, 2d & last hours of watch. Bright moonlight. On course N.W. & W. ½ W. p.s.c. during watch. At 2 hrs started fires under Boilers B & D. Hauled up for sail at 2.10. At 3.15 sighted St. Lucie Poland, on port bow of port beam, distant about 16 miles. At 3.30 set foresail.

J. F. Brown
Lieut. USN.

4 to 8 a.m.
Cloudy to overcast, raining last hour. Under jib, topsails, and foresail. At 5.00 took in foresail. Course N.W. & W. p.s.c. At 6.00 changed course to N.N.W. ½ W. p.s.c. At 7.10 took in and furled topsails and foresail. Set main trysail, and coupled up the engines. At 7.50 changed course to N.W. by N. p.s.c.

C. M. Taho
Lieut. USN.

8 am to meridian.
Cloudy and pleasant, with occasional rain spits. Light to stiff breeze from N.E. by N. & E.N.E. Standing into St. Thomas Harbor first hour. At 9.00 came to anchor with port anchor and moored to 15 fathoms of chain. Fired a salute of 21 guns, Danish flag at main, which was returned from shore. Sent a boat to bring off consul who came on board and was saluted with 7 guns when he left the ship. Bearings at anchorage, Fredericksberg Tower N. 20 E. Main Tower N. 30 W. Staff on floating dock S. 80 W. Ships head E. by N.E. Ships draft, 13'5" for'd, 16'6" aft.

Wm. Wood Allen
Ensign USN

Meridian to 4 p.m.
Fair pleasant weather. Gentle to stiff breeze from E. by N. Sent boats out for exercise under oars and sail at 1.15. The Commanding Officer left the ship to visit the Colonial Secretary officially at 3.30. Ran in all main battery guns and cleaned them in wake of the shears.

F. M. Bennett Ensign, USN

4 p.m. to 8 p.m.
Clear & pleasant. Gentle E. by N. & E. by breeze. Barometer steady. At 7 held prayers. Commanding Officer returned on board ship at 4.50.

Wm. Wood Allen
Ensign. USN

8 p.m. to mid night.
Clear & pleasant. Light airs from E. by N. Bright moonlight.

F. M. Bennett Ensign. USN.

Examined and found to be correct.

C. F. Leeper.
Lieutenant, U.S.N., Navigator.

4—665

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor, St. Thomas. D.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																
1				East	East	1			30.48	76	74	73	bc	cu	8	
2				"	ExN	1			30.48	76	74	73	"	"	8	
3				ExS.	"	1			30.45	75	74	73	"	"	6	
4				ExN	"	1			30.43	75	74	73	"	"	6	
5				East	"	1			30.44	77	75	73	"	"	6	
6				"	"	1			30.45	78	75	73	"	"	6	
7				ExN	"	1			30.46	80	74	73	"	"	6	
280 8				NExE	NExE	2			30.48	81	79	75	"	"	6	
9				ENE	ENE	2			30.50	82	81	76	"	"	5	
10				SExE	SE	2-3			30.50	82	84	76	"	"	4	
"				"	"	2			30.50	87	84	76	"	"	3	
Noon.				ExS.	ExN	2			30.49	79	78	76	bcp	cuN	1	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag.
Longitude by ° ' " Fm Hfx.

Position at noon: { Latitude by observation ° ' " 80.78 77.77
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, tons, 2160 lbs.

Coal remaining on hand at noon, 50 " 1670 "

P. M.																
1				ExN	ExN	2			30.48	79	78	76	bcp	cuN	2	
2				ESE	ExS	2			30.47	79	74	74	ocp	"	0	
3				NExE	ENE	2			30.44	79	74	74	bcp	"	2	
4				"	"	2			30.44	80	78	74	"	"	2	
5				ENE	"	1			30.43	79	78	74	"	"	2	
6				"	"	1			30.43	79	78	74	"	"	2	
7				"	Calm	0			30.43	79	75	72	"	"	2	
8				"	ENE	1			30.44	79	76	72	"	"	2	
9				East	"	1			30.44	78	75	73	bc	"	3	
10				"	"	1			30.45	78	75	73	"	"	2	
11				ENE	"	2			30.45	78	75	73	"	"	2	
Mid.				"	"	2			30.45	78	75	73	"	"	1	

under the command of Commander Frank Curtis, U. S. Navy,

Tuesday, February 28th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & pleasant. Light E'ly & E x N'ly airs. Barometer falling. Moonlight.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Fair & pleasant, passing rain shower last hour. Light airs from E x N. barometer rising. At 6:15. bark Rose Innes left port. At 7:35 loosed sail. Moonlight first 2 hrs.

Ensign, U.S.N.

8 am to meridian.
Fair first part, passing shower last hour. Light to gentle breezes from E & N E & S E. At 9:30 exercised all hands at reefing and shortening sail. At 10:30 the Cobtain commanding ordered returned the call of the Commanding Officer & the Colonial Secretary.

J. M. Bennett, Ensign, U.S.N.

meridian to 4 p.m.
Cloudy & rainy, with short intervals of pleasant weather. Light variable breezes from E & N to E & S. Barometer falling. Went to quarters at 1:30 and instructed apprentices in stations. Exercised light yard men & fore castlemen at loosing and furling light sails, and stowing head sails. German ship Otto of Bremerhaven came in at 12 M.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Cloudy, passing showers. Light airs from E & E, and calms. At 5:50 the Royal Mail steamer Solent immoored and stood out. At 7:00 chaplain held divine service. Sent ashore ashore in lighter.

J. M. Bennett Ensign, U.S.N.

8 p.m. to midnight.
Cloudy & overcast, clearing weather last hour. Light E N E ly airs and breezes. Barometer nearly stationary. Moon rose about 8:30.

Ralph Earle,
Ensign, U.S.N.

APPROVED.

Frank Curtis
COM'D'R, U.S.N., COM'D'G.

Examined and found to be correct.

E. F. Logan,
Lieutenant, U.S.N. Navigator.

4—200

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor, St. Thomas, W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in fifths.	State of the Sea.
A. M.																	
1				ENE.	ENE	1			30.45	77	75	70		bc	cu.nl.	5	
2				"	"	1			30.45	76	75	73		"	"	5	
3				"	"	1			30.44	75	77	73		"	"	5	
4				"	"	1			30.44	75	75	73		"	cu	7	
5				"	"	1			30.44	75	75	73		"	cu cu	7	
6				East	East	1			30.42	77	77	70		"	"	7	
7				"	"	1			30.42	77	77	70		"	"	7	
8				ENE	ENE	1			30.45	77	74	92		"	"	7	
9				"	"	2			30.47	78	77	74		"	cu	8	
10				ExN	"	2			30.48	78	78	74		"	cu	8	
11				"	"	1			30.49	82	78	75		bcp	"	8	
Noon.				SE.	"	1			30.49	85	80	76		bc	"	8	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag.
Longitude by ° ' " For Alt

Position at noon: { Latitude by observation ° ' " 80-79 77-77
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2500 "

Coal consumed during the preceding 24 hours, 1 tons, 100 lbs.

Coal remaining on hand at noon, 49 " 1570 "

P. M.																
1				ExN	SExE	2-3			30.48	88	81	75		bc	cu	8
2				East	"	3			30.45	88	81	76		"	"	8
3				SExS	SE	3			30.44	83	81	75		"	"	7
4				SE.	"	3			30.43	82	80	74		"	"	9
5				SExE	SExE	3			30.43	82	79	74		"	"	8
6				ExS	"	1			30.43	77	78	73		"	"	8
7				ESE	"	1			30.43	76	76	72		"	"	9
8				"	Calm	0			30.43	76	76	72		"	"	9
9				"	"	0			30.46	78	75	72		"	"	8
10				ENE	ENE	1-2			30.46	77	75	72		"	"	6
11				East	East	1			30.46	77	75	72		"	"	8
Mid.				ESE	ESE	1			30.47	77	74	72		"	"	7

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, March 1st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy but pleasant. Light airs from E. & E. Bright moonlight.

J. F. Dewey
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Light airs from E. & E and East. At 7.30 hoosd sail. Rec'd on board in Dept. of Sup & Accts. fresh provisions as follows: bread 152 lbs., beef 190 lbs, vegetables 190 lbs.

8 am to meridian
Generally fair & pleasant, with light rain showers 3d hour. Light E. & E. by E. airs & breeze. Barometer rising. At 9.30 held sail drill. Exercised light yardmen & fore top in loosing & furling light sails. Furled sail at 10.15. Commanding Officer assigned the following punishments: D. A. Weber, app. 3cl., using vile & obscene language, 8 hours on riggers' backstretch; A. Talbot, app. 3cl., asleep on orderly watch, also asleep on gun deck after all hands had been called, 8 hrs extra duty; A. D. Brown, ord. 3cl., loafing on gun deck during his watch on deck, and neglecting to furl sail, and scrubbing clothes out of hours also neglect of duty, one day on fore royal yard; R. Dalzell, app. 3cl., neglecting to report time while on watch, 2 days extra duty; C. A. Miller, app. 3cl., shirking, 4 hrs extra duty; A. P. Hutchinson, app. 3cl., shirking & mopping, 3d class; G. J. Barker, app. 3cl., making sheer fast in boat while at Tailhook, 4 hrs extra duty; D. H. Miller, app. 3cl., asleep on gun deck after all hands, 8 hrs extra duty; J. King, app. 3cl., refusing to obey orders, was placed in double irons for 5 days; A. Connelly, L. S. 2 class, was placed in solitary confinement on bread & water for five days, for insolent and abusive language to commissary yeoman; and F. E. Busch, app. 3cl., on shirking, 8 hrs extra duty: and released F. H. Welch, app. 3cl., from confinement, his term of confinement having expired.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 p.m.
Clear & pleasant. Gentle breeze from S. E. At 1.15 called all hands aboard ships, and at 1.30 all boats were provisioned and away. Exercised topgallant & royal yardmen in loosing and furling. Exercised sailing launch under sail. Lifted the pivots and overhauled training gear of 8 in. 146-147 & 148 4 in. R.F. Guns.

J. F. Dewey
Lieut. U.S.N.

4 to 8 p.m.
Clear & pleasant. Light S. E. & E. by E. breezes to airs & calms. Barometer steady. At 7.00 the chaplain held evening prayers.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light variable airs. Moon rose at 9.50

J. F. Dewey
Lieut. U.S.N.

APPROVED.

COM'D'R., U. S. N., COM'D'G.

Examined and found to be correct.

C. F. Lester.
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, St. Thomas, D.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dep Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				E S E	East	1			30.45	75	74	72		b c	cu	3	
2				"	Calm	0			30.45	75	74	72		"	"	3	
3				"	"	0			30.44	77	74	72		"	"	4	
4				E x S	"	0			30.44	77	74	72		"	"	5	
5				"	"	0			30.42	74	74	72		"	cicu	4	
6				N.N.E.	N.N.E.	1			30.44	74	74	72		b.c.p.	cu.n.	4	
7				"	"	1			30.40	75	73	72		"	"	3	
8				"	"	1			30.46	75	74	72		b.c.p.	"	3	
9				E x S	East	2			30.46	75	74	72		"	"	3	
10				"	"	3			30.49	76	76	73		"	"	3	
11				N E x E	E N E	3			30.49	78	76	74		"	"	4	
Noon.				East	"	2			30.46	81	79	75		"	"	4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag For Aft.
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ 79-78 77-77
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 49 " 1170 "

P. M.																	
1				E x S	E x S	1			30.47	81	79	76		b c	cu	2	
2				"	"	1			30.46	82	79	76		"	"	4	
3				"	E S E	1			30.40	85	81	76		b c p	"	4	
4				E x N	E x N	2			30.43	81	80	75		b c	"	4	
5				E N E	E N E	2			30.43	79	79	75		"	cicu	3	
6				"	"	2			30.43	78	78	74		b c p	cu.n.	4	
7				East	East	1			30.44	80	74	72		"	"	3	
8				E S E	"	1			30.45	78	74	72		b c	cu	8	
9				"	"	1			30.46	76	74	72		"	"	8	
10				"	E x S	1			30.46	76	74	72		"	"	8	
11				E x S	"	1			30.47	75	74	72		"	cu.n	4	
Mid.				"	"	1			30.47	75	74	72		"	"	5	

4—265

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, March 2d, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.
Clear & cool, light airs from East, first hours. Calm remainder. Bright moon light.

C. M. Fahs
Lieut. U.S.N.

4 to 8 am.
Cloudy, with passing light rains. Calm to light airs from N. N.E. Barometer rising. At 6:30 German steamer "Marktmania" came in.

Ralph Earle
Ensign, U.S.N.

8 am to meridian
Cloudy but pleasant. Light to gentle breezes from East, to E.N.E. At 9:15 loosed sail. At 9:30 went to general quarters, divisions reporting ready as follows: 1st, 1¼ min., 2d, 1¾ min., 3d, 2 min., 4th 5 min., Navigators, 5 min., Powder, 3¼ min. Got up the following ammunition in 3 minutes: 18-4" charges, 6 lbs 6 pdr., 4 lbs 1 pdr., and 1 box Colt Auto Matic. Secured all divisions in 6½ min. Placed W. Courtes, B. Smith, in double irons to await action, for being under the influence of liquor on duty. The Commdg. Officer awarded the following punishments: G. H. Miller, app. 3 cl., 2 hrs. extra duty for holding communication with prisoner. W. H. Gibbs app. 3 cl., 4 hrs extra duty for being disorderly in mess. F. C. Decker, app. 3 cl., 4 hrs. extra duty for jumping down hatch at mess formation. A. J. Moon app. 3 cl., 4 days on pump hatch for neglect of duty and stealing water from scuttle butt. C. F. Klenk, 3d Class fireman 2 hrs to bail out drip water. P. Lilly, app. 3 cl., 4 hrs. extra duty for not scrubbing clothes. J. Cooksey, Cd., 4 hrs extra duty, for clothes in lucky bag. At 10:30 had company drill, followed by battalion drill. Furled sail at 11:30.

J. T. Drury
Lieut. U.S.N.

meridian to 4 p.m.
Cloudy & pleasant. Light airs & breezes from E.S.E. to E. x N. A sudden shower passed at 3:00. Sent liberty party ashore.

C. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Cloudy, with a fresh rain squall 3d hour. Light airs & breezes from E.N.E. to East. At 5:30 went to fire quarters, all divisions being reported ready in 3½ min. Secured at 5:42.

J. T. Drury
Lieut. U.S.N.

8 p.m. to midnight.
Fair & pleasant. Light airs from East to E. x S. By order of the Commander, placed J. T. Welling, app. 3 cl., in single irons until further orders, for attempting to pass articles in to prisoner in the cell.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut. Navigator.

4-86

LOG of the UNITED STATES Training Ship Essex Rate,

Anchor, St. Thomas, D. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop'n of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1				East	East	1			30.46	74	73	70		b.c	cu.	8	
2				"	"	1			30.44	74	70	71		"	"	7	
3				"	"	1			30.43	74	70	71		"	"	7	
4				"	ENE	2			30.41	74	73	71		"	"	6	
5				"	"	2			30.41	77	73	71		"	"	8	
6				"	"	1			30.41	77	73	71		"	"	6	
7				"	"	1			30.42	78	74	72		"	"	7	
8				"	"	1-3			30.44	76	75	72		b.c.p	cu.n	9	
9				ExN	ExN	3			30.50	79	76	72		"	"	2	
10				Various	ENE.	3			30.50	79	76	73		"	"	2	
11				ENE	"	3			30.50	82	80	74		b.c	cu	5	
Noon.				"	"	3-4			30.49	82	81	74		"	"	4	

Position at 8 A. M. { Latitude by ° ′ ″ Temp. of Mag. / Longitude by ° ′ ″ Fm Mst.

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 49 " 770 "

P. M.																	
1				ENE	ENE	2			30.46	83	81	74		b.c.	cu.	4	
2				"	"	2			30.44	79	78	74		"	"	2	
3				"	"	2			30.44	80	78	74		"	"	5	
4				NExE	"	2			30.44	80	78	74		"	"	7	
5				ENE	"	2			30.43	78	77	74		b.c.p	cu.n	3	
6				"	"	2			30.43	76	76	73		"	"	3	
7				"	"	2			30.43	76	76	73		"	"	4	
8				"	"	1			30.44	76	75	72		b.c.	cu.	5	
9				"	"	1-3			30.44	78	76	73		"	"	8	
10				ExS.	"	1-3			30.45	77	76	73		"	"	8	
11				ExN	"	2-4			30.45	77	76	72		"	"	7	
Mid.				"	"	2			30.45	76	76	72		"	"	7	

under the command of Commander Frant Courtis, , U. S. Navy,

Friday, March 3d, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Bright moonlight. Light airs & breezes from East & E.N.E. Barometer falling.

Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Light breeze from E.N.E. At 6:15 the American tug Gypsum King and the German Steamer Sirius came in and anchored. Rec'd for use of crew, 152 lbs. of bread, and 190 lbs each of beef & vegetables. Shore people began putting coal on board from lighters at 7:45

Lieut. U.S.N.

8 a.m. to meridian.
Cloudy & pleasant. Gentle to moderate E.N.E'ly breezes. Coaling ship on both sides. J. Stein, C.M.A.A. reported the expiration of his enlistment. J. T. Welling, apprentice, was by order of the Commander released from single irons, and given 7 days extra duty, for attempting to smuggle tobacco to a prisoner. By order of the Commander, released from confinement, and restored to duty, W. J. McCarrick, S.C. 4th class, his term of confinement having expired, and placed M. Rourke, Coxswain, in 5 days solitary confinement on bread & water for being under the influence of liquor on duty. Sent an officer to board the American Steamer Gypsum King. Exercised at Sail drill. Tested magazine & shell room flood cocks, and found them to be in good condition.

Lieut. U.S.N.

meridian to 4 p.m.
Fair & pleasant. Light breeze from E. N. E. Barometer steady. Finished coaling, receiving in all 100 tons. Cleaning ship. Draft after coaling, 14' 6" forward, and 17' 0" aft.

Ensign, U.S.N.

4 to 8 p.m.
Cloudy & pleasant. Light E.N.E'ly breeze.

Lieut. U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light airs & breezes, with gentle to moderate squalls. Barometer steady. About 9:30 a sailing vessel left the port.

Ensign, U.S.N.

Examined and found to be correct.

Lieut. U.S.N. Navigator.

4-25

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, St. Thomas, D. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.E.	NE	2			30.45	76	75	72		bc	cus	5	
2				"	"	2			30.44	75	75	72		"	"	6	
3				"	"	2			30.42	75	75	72		"	"	5	
4				"	"	2			30.42	75	75	72		"	"	4	
5				ENE	"	2			30.43	75	75	75		"	cicu	3	
6				East	"	2			30.43	75	74	71		bcp	cus	3	
7				"	"	2			30.43	75	74	72		bc	cus	4	
8				"	"	2			30.45	76	75	73		"	"	5	
9				ENE	ENE	2			30.47	76	77	70		"	cus	4	
10				E x S	East	2			30.48	77	78	73		"	"	4	
11				ESE	ESE	2-4			30.48	78	78	74		"	"	4	
Noon.				SE	SE x E	3-4			30.47	81	80	74		"	"	4	

Temp. of Mag 79-78 Fm 77-76

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 1520 lbs.

Coal remaining on hand at noon, 148 " 1490 "

P. M.																	
1				ESE	East	3			30.46	82	80	73		b.c.	cu	4	
2				East	"	3			30.45	84	81	75		"	"	6	
3				SE	"	3			30.43	83	81	75		"	"	7	
4				East	"	3			30.42	83	80	75		"	"	6	
5				"	"	2			30.43	82	80	75		"	"	6	
6				E x N	"	2			30.43	82	80	75		"	"	7	
7				"	"	2			30.44	78	75	73		"	"	9	
8				"	"	2			30.44	78	75	73		"	"	9	
9				East	"	2			30.44	77	75	72		"	"	9	
10				"	"	1-2			30.46	76	75	72		"	"	9	
11				"	"	1-2			30.46	75	75	72		"	"	9	
Mid.				ENE	"	1-3			30.44	75	75	72		"	"	8	

under the command of Commander Frank Courtis, , U. S. Navy,

Saturday, March 4th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair pleasant weather. Light breezes from N.E. At 12:05 the moon rose. At 1.30 sighted steamer in offing. She came in and went along side of French lines wharf at 2:30

T.M. Bennett, Ensign, U.S.N.

4 to 8 am.
Cloudy & pleasant. Light N.E.ly breeze. At 6.00 the Quebec line steamer Intabelle came in from New York. Flying U.S. Mail Flag. Sent a boat to her, but found she had no mail for this ship. Rec'd in Pay dept. for crew, fresh provision as follows: 304 lbs. bread, 190 lbs. beef, and 190 lbs. vegetables.

C.M. Fahs
Lieut. U.S.N.

8 am. to meridian.
Cloudy, pleasant weather. Light to moderate breezes from E.N.E. to S.E. by E. By direction of the Commanding Officer, Charles A. Coleman, C.M. 1st cl., was placed in double irons to await action of the Lieut. Commdg. Found stowed away and under the influence of liquor. Mtg. appt. of J.S. Grady, B.M. 2cl., was renewed 6 mos. from Mar. 1st, of D.M. Kelly, B.M. 2cl., from Feby. 28, and of R. Decker, cox. from Feb. 25th. Rec'd. on board stores as follows: Ord. Dept. 50 gal. linseed oil, 15 gal. alcohol, 3 gal. Damar Varnish. Equip. Dept. 2 bbls lime, 9 gal. asphaltum. Eng. Dept. 1 bbl. lime, 50 gal. Lard Oil. At 10.45 the Intabelle left harbor. At 10.50 crossed light yards.

T.M. Bennett, Ensign, U.S.N.

meridian to 4 p.m.
Clear, warm, and pleasant. Gentle E.ly breeze. Barometer falling. At 2.55 French barque Comte of Nantes, and at 3.00 French mail steamer Manouba came into the harbor. Made preparations for sea.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Clear & pleasant. Light breezes from East. Secured all boats for sea.

T.M. Bennett, Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light E.ly airs & breezes. Barometer rose slightly. Steamer anchored at 9.30 in Harbor entrance.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F.F. Fenger
Lieut. U.S.N. Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex Rate,

Anchor, St. Thomas, D. W. I. and making passage to San Juan, Porto Rico

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
	A. M.																
	1				East	East	2			30.44	79	78	78	bc	cu	6	
	2				E x S	"	2			30.42	79	79	73		"	6	
	3				"	"	2			30.40	77	77	73		"	7	
	4				E x N	"	2			30.39	76	76	73		cu sc	5	
	5				"	"	1			30.39	76	76	73		cu	5	
	6			270	W x S	"	1			30.39	76	76	73		"	6	
	7	3	0	30.0	NW x N½W	"	1			30.42	77	76	73	77	bcp	cu sc	4	S
8.30	8	9	5	395	"	"	3	S.S.		30.45	78	76	73	77	bc	cu cu	4	"
		4	3	43.8													
9.30	9	4	3	48.1	WNW½W	"	3	3-3		30.45	76	76	73	77	"	cu	7	"
	10	4	0	52.1	WNW½W	"	3	3-3		30.48	74	78	74	77	"	"	7	"
		4	2	56.3	"												
	11	8	4	64.7	"	"	3	3-3		30.49	74	79	75	77	"	"	7	"
	Noon.	7	4	72.1	"	"	3	5-5		30.49	76	80	76	77	"	"	7	"

Position at 8 A. M.: Latitude by ° ′ ″ Temp of Mag. From Aft

Longitude by ° ′ ″ 80-79 77-76

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 800 "

Coal consumed during the preceding 24 hours, 5 tons, 730 lbs.

Coal remaining on hand at noon, 143 " 760 "

	P. M.																
								P. S.									
	1	7	6	79.7	W½N	E x S	3	6-6		30.46	87	82	77	77	bc	cu	7	L
	2	7	6	87.3	"	"	3	6-6		30.43	87	80	78	77	"	"	7	"
	3	7	6	94.9	W x S	"	3	0-0		30.40	82	82	78	77	"	"	7	"
	4				Various	E NE	3			30.39	80	82	78		"	"	7	
	5				East	East	3			30.39	79	80	76		"	cu sc	7	
	6				"	"	4			30.40	77	78	74		bcp	"	6	
	7				E x E	E x E	2			30.41	76	76	73		bc	"	5	
	8				S E x E	"	2-4			30.42	78	76	74		bcp	"	4	
	9				E x E	"	3			30.43	76	76	74		"	"	2	
	10				"	"	2			30.43	74	74	73		"	"	2	
	11				"	"	1			30.43	74	73	72		"	"	2	
	Mid.				S E	"	1			30.43	74	73	72		"	"	6	

4—265

under the command of Commander Frank C Courtis, , U. S. Navy,
Sunday, March 5th, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Fair & pleasant. Light breeze from East. Started fires under all boilers at 1. Moon rose at 1.

J. F. Dewey
Lieut. U.S.N.

4 to 8 a.m. Fair first part, passing showers at 6:00 o'clock. Made preparations for getting under way. At 5:55 called "up anchor". Stood out of harbor. At 6:35 passed a German steamer at anchor. At 7:00 set courses, N.W. x W.½ W. Pat log 300. Set jib, main trysail & spanker. At 7:15 passed a steamer bound in to St. Thomas. Draft of ship at leaving port, 14'4" for'd. 17' aft. At end of watch, on course, N.W. x W.½ W., pat. log 395. Average steam, 58 lbs. average revolutions 49.

K.W. Bennett Ensign, U.S.N.

8 a.m. to meridian.
Clear, and very warm. Gentle E'ly breeze. Barometer rising. Maximum roll 5°. At 8:20 hoisted out a boat & sounded, was abeam, log 42.4. At 8:30, log 43.8, Changed course to W.N.W.½ W. p.c. Commanding Officer awarded the following punishments: A.C. Vinton, app. 3cl. failing to man boat falls; 8 hours extra duty. P. Ritter, app. 3cl. scrubbing clothes out of hours, 4 hrs extra duty; M.C. Scott, and C. Hollums, app. 3cl. out of uniform at muster, 4 hrs extra duty. Took in all sail at 8:55. Served specifications of a S.C.M. to C.K. Coleman, C.M.cl. At 9:30, log 52, changed course to W.N.W.½ N. p.c. At 9:45, divisional officers inspected divisions at quarters. At 9:50 called all hands to muster and read the articles of war, followed by general muster, no absentees. At 10:30 the chaplain held divine service. At 11:00 Cape San Juan was abeam, log 66.7. At 12:00 changed course to W. & N. p.c., log 72.1. Average revolutions 46, average steam, 52 lbs. At end of watch on course W.½ N. p.c. under steam, log 72.1.

Ralph Earle,
Ensign, U.S.N.

12 to 4 p.m. Clear & warm. Gentle breeze from E. x S. to E.N.E. On course, W.½ N. till 2, when the course was changed to W. x S. After 30 o'clock on various courses, till the ship was brought to anchor. At 3 stopped engines for 8 minutes, to pick up field. At 3:45 came to in 4½ fm. soft bottom with port anchor, and veered to 15 fm at the hawse pipe. By order of the Commanding Officer placed P. Connaughton, fir. 1cl., in double irons to await further action, for being under the influence of liquor. A boarding officer from the senior officers vessel came along side to offer the usual civilities. Upon pratique was granted by the health officer, the Commanding Officer left the ship to pay an official visit to the Commandant of the Naval Station. Bearings of lighthouses, East watch tower, San Christobal, to engineer station, Morro, 45°37'. Signal Station Morro to Fr. Canuelo, 26°37'. Let fires die out under 3 boilers, and distilling with 4th boiler.

J. F. Dewey
Lieut. U.S.N.

4 to 8 p.m. Fair & pleasant, with passing showers. Moderate to light E'ly and E.S.E'ly breeze. Barometer rising. Comdg. Officer returned at 4:15. At 4:30 French steamer "Ville de Marseilles" came in. At 5:30 British steamer "Madiana" left the harbor. At 6:30 U.S. Tug "Peoria" came in. At 6:45 went to quarters and served out clean hammocks. At 6:10 held evening prayers.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Generally overcast and rainy. Light to gentle breeze from E. & S.E. Distilling.

J. F. Dewey
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leeper.
Lieutenant, U.S.N. Navigator.

4-98

LOG of the UNITED STATES *Training Ship Essex* Rate,

At anchor, San Juan, Porto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S E	S E	2			30.41	74	73	72		b c p	cu st	6	
2				"	"	2			30.39	74	73	72		b c w	"	7	
3				S S E.	"	2			30.37	74	73	72		"	"	8	
4				S S W.	S S E	1			30.38	74	72	71		"	c u cu	8	
5				S E	"	1			30.38	74	71	70		b c	cu m	5	
6				"	"	1			30.39	74	72	71		b c p	"	4	
7				"	"	1			30.40	76	75	73		b c	cu	6	
8				"	"	1			30.42	76	75	73		"	"	6	
9				East	East	3			30.43	76	76	73		"	cu m	6	
10				S E	S E.	3			30.45	78	76	73		b c p	"	4	
11				East	East	3			30.45	79	77	72		b c	"	3	
Noon.				E x N	E x N	4			30.45	83	81	76		"	"	6	

Position at 8 A. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″ — Temp of Mag. Tm 8 A.M. 80-79 77-77

Position at noon: Latitude by observation ° ′ ″ — Longitude by observation ° ′ ″ — Latitude by D. R. ° ′ ″ — Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″ — Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water *distilled* during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, 7 tons, 1170 lbs.

Coal remaining on hand at noon, 140 " 760 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				E x N	E x N	3			30.44	81	80	76		b c	cu m	6	
2				E N E	"	3			30.43	83	81	76		"	"	6	
3				E S E	"	3			30.41	80	80	75		"	"	7	
4				East	"	2			30.40	80	80	75		"	"	5	
5				"	"	2			30.40	78	79	74		"	"	5	
6				"	"	2			30.41	77	77	73		"	cu m	5	
7				"	East	2			30.41	77	77	73		"	"	8	
8				"	"	2			30.42	77	77	72		"	"	5	
9				E x S	"	2			30.42	77	77	72		"	"	8	
10				S E x E	"	2			30.43	76	75	73		"	"	8	
11				S E x S	"	2			30.44	76	75	73		"	"	8	
Mid.				South	Calm	0			30.44	76	75	73		"	"	8	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, March 6th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Light breeze from S.E. to light airs from S. & S.E. C.W. Fuhs
Lieut. U.S.N.

4 to 8 a.m.
Fair, warm & pleasant. Light S. & S.E. ly airs. Barometer moderate. Scrubbed hammocks. At 8:00 lowered sail to boat lowering. At 6:30 transports "McPherson" & "Vasco" came in, and at 6:55 American yacht "Hercdo" of Philadelphia. Signals at 7:30: Panther to Essex, 6391 and 3869; at 7:40 Essex to Panther, Numl. 5455; at 7:45, Panther to Essex, affirmation.

Ralph Earle,
Ensign, U.S.N.

8 am. to meridian.
Fair & pleasant. Gentle to moderate breeze from S.E. to E. & N. At 9:00 served specification of offenses to P. Connaughton. Fired 1d. At 9:30 went to quarters for inspection, followed by divisional drills during 2d Period had sail & cbar drill. At 10:10, a Summary Court Martial, of which Lieut. P.P. Dewey, U.S.N. was senior member, met for the trial of C.K. Coleman, 6 M. 4 cl, and such other cases as might be brought before it. It adjourned at 10:50, to meet again at 10:a.m. tomorrow. The Comdg. Officer of the U.S.S. Rona, made an official call on the Comdg. Officer. The Comdg. Officer awarded the following punishments. D.C. Hutchins, app. 3 cl, 2d class for disorderly at mess formation and disobedience of orders. P.H. Roach, app. 3 cl, 5 days solitary confinement on bread and water for continued use of profane language, and having grown so after having been cautioned. Jno. Phillips app. 3 cl, and J.J. Devine, ab. 3 cl, 8 hours extra duty for smoking. J. Newsapp. 3 cl 4 hours extra duty for clothes in locker bag. The following signals were made during watch: At 10:04, Essex to flag, Int. 4826. At 10:06, flag to Essex, aff. At 10:10, Essex to flag, Int. 4397, at 10:12 flag to Essex, aff. Distilling.

J. Towers
Lieut. U.S.N.

meridian to 4 p.m. Fair & pleasant. Gentle to light breeze from E. & N. At 1:15 she cleared all boats at rowing and sailing. The Comdr. called officially upon the Military Governor of Island Madrigat. 3984, and Panther answered affirmative. At 3:40 went to quarters, and turned in scrubbed hammocks. Distilling.

C.W. Fuhs Lieut. U.S.N.

4 to 8 p.m.
Fair & pleasant. Light breeze from E. & N. Placed A.J. McCarrick, S. 2 cl, in double irons to await further action, he being under the influence of liquor on board ship. At 5:30 the U.S. Army Transport "McPherson" left the harbor. Distilling.

J. Towers
Lieut. U.S.N.

8 p.m. to midnight.
Fair & pleasant. Light breeze from East.

C.W. Fuhs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leffler.
Lieutenant U.S.N. Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor, San Juan, Porto Rico, W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				W.S.W.	Calm	0			30.44	74	74	73		be	cu	7	
2				"	"	0			30.43	74	73	73		bcp	"	6	
3				"	"	0			30.41	73	73	72		"	cu	4	
4				"	N.N.W.	1			30.40	72	73	72		"	"	2	
5				"	"	1			30.41	74	73	72		"	"	4	
6				"	"	1			30.42	76	73	72		"	"	4	
7				"	"	1			30.44	74	75	73		be	"	5	
8				S.W.	"	1			30.46	76	76	74		"	cu	6	
9				E.S.E.	Calm	0			30.49	80	80	75		bcp	cu	4	
10				N.E.x.N.	"	0			30.49	84	78	76		be	"	4	
11				"	N.E.	1			30.50	84	79	76		bcp	"	3	
Noon				"	East	2			30.52	83	79	76		"	"	3	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Aq. Fox
Longitude by ° ′ ″ Ref 77-77

Position at noon: { Latitude by observation ° ′ ″ 80.78
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water Distilled during the preceding 24 hours, 1700 "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 1 tons, 560 lbs.

Coal remaining on hand at noon, 139 " 1270 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				East	East	2			30.51	81	77	75		bcdp	cu sl	1	
2				South	S.S.E.	1			30.49	83	77	75		bcp	"	4	
3				S.S.E.	"	1			30.47	81	77	75		"	"	2	
4				S.x.W.	"	1			30.46	83	76	74		"	sc cu cu.n	4	
5				East	East	2-3			30.45	81	77	73		be	"	7	
6				"	"	2			30.45	80	77	73		"	"	6	
7				E.x.S.	"	2			30.45	79	76	73		"	"	7	
8				"	"	2			30.46	79	76	73		"	"	8	
9				S.E.	S.E.	1			30.49	77	75	73		"	cu	9	
10				S.S.E.	Calm	0			30.51	75	74	72		"	"	8	
11				South	"	0			30.51	75	73	72		"	"	6	
Mid.				"	"	0			30.50	75	73	72		"	"	9	

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, March 7th, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair, first hour, passing showers, remainder of watch. Calms & light airs from W.S.W.

T.M.Bennett Ensign, U.S.N.

4 to 8 am.
Fair & pleasant. Light airs from W.S.W. Engaged in replacing worn rat lines. Panther made uniform signal 6:30 at 7:30. At 7:35 Essex made signal for permission to loose sail, which was answered in the affirmative by Panther. Took on board for use of Crew, 12 lbs of bread & 190 lbs each of beef and vegetables. At 8:00 loosed sail.

W.F.Low
Lieut. U.S.N.

8 am. to meridian.
Generally fair, with occasional rain. At 9:30 inspected at quarters. Held divisional drills as per routine. There were lost at drill two extractors, and two extractor springs, of the 6 m.m. rifles. At 10:00 summary court martial met, and adjourned at 10:45 until 10:00 am tomorrow. At 11:30 made Dist. 4826. Panther answered affirmative. Furled sail.

C.M.Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Heavy passing showers. Light airs & breezes from East and S.S.E. At 1:15 called all hands & away boat's crews of reporting ready, as follows: 1 cutt, 24, 2d cutt. 28, 3d cutt. 29, 4 cutt. 30 ft. whle. 1:24. Took on board 6500 gals of water for steaming purposes. Confined E.R.Welch, app 3d. by direction of the commanding officer, in double irons to await action. Raised top carriages of all main battery guns, and cleaned bore bearings.

T.M.Bennett Ensign U.S.N.

4 to 8 pm.
Fair and pleasant. Light breeze from East.

C.M.Fahs
Lieut. U.S.N.

8 p.m. to midnight.
Clear and pleasant. Calms & light airs from S.E. The steam launch San Marcus left harbor at 11:50.

T.M.Bennett Ensign U.S.N.

Examined and found to be correct.

E.F.Logan
Lieut. U.S.N. Navigator.

4-200

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor, San Juan, Porto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																
1				West	Calm	0			30.49	75	73	72	be	cu	7	
2				W.S.W.	"	0			30.48	75	73	72	"	"	7	
3				West	"	0			30.45	73	71	70	"	"	7	
4				"	West	1			30.45	73	71	70	"	"	7	
5				W.S.W.	Calm	0			30.45	73	71	70	"	"	8	
6				West	West	2			30.47	73	71	70	bcp	cu	4	
7				"	"	1			30.47	73	75	74	be	"	4	
8				"	Calm	0			30.48	73	75	78	"	cu	5	
9				South	"	0			30.50	78	77	75	"	"	5	
10				E x S.	E x S	1			30.52	78	76	74	"	"	3	
11				"	"	1			30.52	77	76	74	bcp	"	1	
Noon.				East	East	2			30.52	76	76	75	bcr	"	0	

Position at 8 A. M. { Latitude by ° ' " Temp. of Mag. For — Ky.
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' " 80-78 77-77
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 1600 lbs.

Coal remaining on hand at noon, 198 " 1710 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.																
1				N.E.	N.E	1			30.50	80	78	75	be	cu	2	
2				"	"	1			30.49	80	79	76	"	"	4	
3				"	"	1			30.47	80	79	76	"	"	4	
4				"	"	1			30.46	80	78	76	"	"	4	
5				E.N.E	E.N.E	2			30.45	80	78	75	"	ci cu cu-n	4	
6				"	"	2			30.45	76	76	74	"	cu-n	3	
7				"	"	2-4			30.46	78	75	73	bcp	"	3	
8				E.S.E	S.E	2			30.46	70	75	74	be	"	5	
9				S.E.	"	1			30.47	77	74	73	"	"	5	
10				"	"	1			30.47	76	74	73	bcp	"	2	
11				"	"	2			30.47	75	73	72	"	"	4	
Mid.				E.S.E	"	2			30.47	75	73	72	"	"	2	

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday, March 8th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 am.
Clear & pleasant. Calms and light airs from West. Barometer falling. Morning at 3:20

Ralph Earle,
Ensign U.S.N.

4 to 8 a.m.
Generally fair, heavy passing showers 2d hour. Light variable airs, calm at times. U.S. Army Transport "Vasco" came in with troops on board. The Spanish mail steamer "San Francisco" came in flying a commission pennant, and was boarded by an officer from the "Panther". Made interrog. 0755. "Panther" answered affirmative. Loosed sail at 0800. Rec'd in Pay Dept, for crew, fresh provisions as follows: 152 lbs of load

Chas. Fahs
Asst. Surg. U.S.N.

8 am to meridian.
Cloudy, showers and continuous rain last part. Calms and light airs and breezes from E. & S. and East. At 9:30 mustered at quarters, no absentees. Exercised at setting up and routine drills. At 10:05 summary court martial convened. At 10:25 hoisted sail. At 10:30, summary court martial adjourned to await action of convening authority. The Commanding Officer assigned the following punishments at the mast: A. Talbot, app. 3d cl., evidence to be taken, offices, 4 hrs. extra duty. W. J. Fortune, app. 3d cl., overhauling food at messtable, 4 hrs. extra duty. W. J. Winchester, app. 3d cl., continued talking at quarters, 1 week's extra duty. B. Williams, mess att., continued disregard of orders of M. R. Steward, 1 week extra duty. Engaged in hoisting out for hold. Overhauled wheel ropes and found them to be in fair condition.

T. McBennett, Ensign U.S.N.

meridian to 4 p.m.
Fair & pleasant, light N. & Ely airs. Barometer falling. Engaged in hoisting out for hold. U.S. transport "Vasco" left at 12:15, and U.S. tug "Typsum King" came in at 12:30. Transferred in Pay Dept. six thousand dollars to Asst. Paymaster Theodore J. Norris, U.S. Navy, of the U.S.S. "Panther". J.L. Murray, sea., was this day given an acting appointment as coal passer, to date from Feb. 11, 1899.

Ralph Earle,
Ensign U.S.N.

4 to 8 p.m.
Cloudy, pleasant. Light airs to moderate breezes from E. & E. to S.E. At 4:30 sighted large steamer standing towards port. Capt. Remley, of Gen. G.V. Henry's staff, returned visit of Commdg Officer to that officer. At 5:30, Spanish mail str. San Francisco left harbor. At 6:40, made signal. Int. 1901, which was answered by "Panther" in the affirmative.

T. McBennett, Ensign U.S.N.

8 p.m. to midnight.
Cloudy and rainy. Light N. & Ely airs and breezes. Barometer steady.

Ralph Earle,
Ensign U.S.N.

Examined and found to be correct.

E. T. Leiper
Lieutenant, U.S.N. Navigator.

4-285

LOG of the UNITED STATES Training Ship Essex 3d Rate,

At Anchor, San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE x E	ENE	3			30.44	75	74	72		be	cu	7	
2				"	"	3			30.43	75	74	72		"	"	6	
3				"	"	3			30.41	74	74	71		"	cu	8	
4				NE.	"	3			30.40	75	74	71		"	"	6	
5				"	"	2			30.40	75	74	72		"	"	6	
6				"	NE	2			30.42	75	74	72		"	"	7	
7				ENE	ENE	2			30.46	78	75	72		"	"	6	
8				"	"	2			30.45	78	75	72		"	"	7	
9				"	"	2			30.46	80	80	75		"	"	5	
10				NE x E	NE x E	3			30.46	77	78	73		be/p	cu	3	
11				ENE	East	2			30.46	76	76	70		"	"	1	
Noon.				NE	NE	1			30.46	77	73	72		"	"	1	

Position at 8 A. M.: Latitude by ° ′ ″ Temp of Mag.
Longitude by ° ′ ″ Fore Aft.

Position at noon: Latitude by observation ° ′ ″ 80-76 77-76.
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 138 " 1310 "

P. M.																	
1				East	E x S	3			30.45	77	74	74		oer	cum	0	
2				"	"	3			30.45	77	74	74		be	"	1	
3				"	NE	3			30.42	81	72	72		"	"	1	
4				NE x E.	"	2			30.41	81	76	76		"	"	1	
5				ENE	ENE	2			30.41	80	74	73		"	"	3	
6				"	"	1			30.41	78	76	73		"	"	3	
7				"	"	1			30.41	76	73	73		"	"	5	
8				"	"	1			30.41	76	75	73		"	"	5	
9				"	"	2			30.41	76	75	73		"	"	6	
10				E x N	"	2			30.43	76	73	73		"	"	6	
11				East	"	2			30.44	76	73	73		"	"	6	
Mid.				E x S.	East	1			30.43	75	73	73		"	"	6	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, March 9th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & pleasant. Gentle breeze from E.N.E.

J. F. Dewey
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Light breezes from N.E. and E.N.E. At 6:30. American yacht "Herdo" left harbor. At 6:50. German steamer "Venetia" came in and anchored ahead of "Panther". At 7:25. "Panther" made signal 6351. At 7:50 made signal. 1 H B (Int.) which "Panther" answered by "affirmative". Engaged in restowing hold. Moored sail at 8:00 a.m.

M M Bunnell, Ensign U.S.N.

8 am. to meridian.
Fair & pleasant. first hour, cloudy with heavy rains, last three hours. Gentle to light variable airs and breezes. Barometer steady. Engaged in restowing fore hold. At 9:30 mustered at quarters, no absentees. Held routine division at drills. At 11:00 furled sail. Signals:- at 10:57, Essex to Panther, inter. 5567, at 11:00 Panther to Essex, affirmative.

Ralph S. Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Overcast, with rain first hour. Gentle breeze from E. & S. At 3:00 the Spanish steamer Buenaventura Grande came in and anchored. Rec'd from the U.S.S. "Panther" the following stores in the Pay. Dept.: 1200 lbs flour, and 3000 lbs of hard bread. Engaged in restowing fore hold.

J. F. Dewey
Lieut. U.S.N.

4 to 8 p.m.
Cloudy and pleasant. Light E.N.E. ly airs and breezes. Barometer steady. German steamer "Venetia" left harbor at 6:00. At 7:00 the chaplain held evening prayers.

Ralph S. Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Fair to clear. Light airs and breezes from E.N.E.

J. F. Dewey
Lieut. U.S.N.

Examined and found to be correct.

E. F. Lopher,
Lieut. U.S.N. Navigator.

4—220

LOG of the UNITED STATES Training Ship "Essex" **Rate,**

At anchor, San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				ESE	ESE				30.39	74	73	71		bc	cu	6	
2				"	"				30.38	73	70	71		"	"	6	
3				East	"				30.35	73	73	71		"	"	6	
4				"	"				30.34	73	73	71		"	"	6	
5				ExS	"				30.34	75	73	71		"	"	6	
6				"	"				30.34	76	74	72		bcp	cu n	5	
7				"	"				30.35	78	76	74		bc	cu	6	
8				"	"				30.36	78	77	74		"	"	7	
9				ESE	"				30.37	78	78	74		"	"	7	
10				East	ExS				30.38	79	78	75		"	"	7	
11				"	"				30.45	79	79	75		"	"	7	
Noon.				"	"				30.47	82	79	75		"	"	6	

Position at 8 A. M. { Latitude by ° ′ ″ Tens. of Mag. / Longitude by ° ′ ″ Time Alt.

Position at noon: { Latitude by observation ° ′ ″ 80-78 / Longitude by observation ° ′ ″ 77-76 / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 138 " 910 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1				ENE	ENE	3			30.45	82	80	75		bc	cu	7	
2				NE	NE	3			30.43	81	80	75		"	"	7	
3				NExE	NExE	3			30.41	80	79	74		"	"	7	
4				E	"	3			30.41	79	79	74		"	cu n	7	
5				ENE	ENE	3			30.40	79	78	73		"	"	7	
6				"	"	3			30.41	78	76	72		"	"	7	
7				"	"	2			30.41	78	76	72		"	"	7	
8				"	"	2			30.43	77	75	72		"	"	7	
9				ESE	ESE	1			30.44	76	74	72		"	cu	8	
10				SExE	SExS	1-2			30.46	74	73	71		bcp	cu n	6	
11				"	"	1			30.46	74	72	71		bc	"	9	
Mid.				"	"	1			30.45	74	72	71		"	cu	9	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, March 10th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Fair & pleasant. light airs & breeze from E.S.E.

C.W. Jahn
Lieut. U.S.N.

4 to 8 am
Generally fair & pleasant, with light passing showers second hour. Light E.S.E. & y airs & breezes. Barometer varying. Upon rec'd at 5.00 A.M. the Dunbar line steamer "Victoria" came in. At 8:00 loosed sail to heat lines. Signals; at 7:30, "Panther" made uniform & time signal. At 7:55, "Essex to Panther" inter. 55½, at 8.00, "Panther to Essex affirmative.

Algernon Earle,
Ensign, U.S.N.

8 am to meridian
Clear & pleasant. Light to gentle breeze from E x S. At 9.30 went to general quarters, the divisions reporting ready as follows: 1st & 2nd Divs. 9:32¼, 3d. 9:33. 4th 9:33½, 5th 9:34½, Mar. 9:36¼ Exercised at gun & Station & Supply for 8 minutes, as follows: 11-4" 5 Shell, 5 blue 6 lbs, 1 blue 1 lb, and 2 blue 6 lbs. Secured at 9.56. At 10:00 furled sail, sent down light yards, bent sail, crossed yards and bent gear. Hoisted in sailing launch. Commander A.S. Snow, U.S.N., commanding Naval Station, paid an official call on the Commanding Officer. The Comdg. officer awarded the following punishments: Ord. Dillinger, app. 3cl., 2 Duty, app. 3cl., and J. Peters, app. 3cl., 6 hrs extra duty for shirking. J.E. Corrigan, app. 3cl., 4 hrs extra duty for skylarking at drill. J. Flores, app. 3cl., 1 week extra duty for not going on deck to loose sail. E.W. Hart, app. 3cl., 8 hrs extra duty for smoking. H.E. Jones, app. 3cl., H.G.E. Renard, app. 3cl., 4 hrs extra duty for unnecessary noise at mess tables. A. Hobson, app. 3cl., 2 days extra duty for unnecessary noise at mess tables. R. Bennett, app. 3cl., 7 days double irons for smoking after his watch was ordered to quarters. Confined R. Bennett, app. 3cl. in accordance with punishment awarded. Tested magazine flood cocks and drains, and found them in good order.

J. Downey
Lieut. U.S.N.

meridian to 4 pm
Fair & pleasant. Gentle breezes from E.N.E. to N.E. Steering for sea.

C.W. Jahn
Lieut. U.S.N.

4 to 8 p.m.
Clear & pleasant. gentle breeze from E.N.E. At 4.30, called all hands to muster and read the findings and sentences in the cases of Charles A. Coleman, Carp. Mate 1st Cl., Patrick Connaughton, Seaman, and Richard C. McCarnell, Ord. Sea. All were found guilty of being under the influence of liquor on board ship, and each was sentenced to deprivation of liberty on foreign station for 3 months, and to lose one months pay. Released them from confinement, and restored them to duty.

J. Downey
Lieut. U.S.N.

8 pm to midnight
Fair & pleasant. Light airs and breezes from S.E.

C.W. Jahn
Lieut. U.S.N.

Examined and found to be correct.

E.F. Leiper
Lieut. U.S.N. Navigator.

4—280

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making Passage from San Juan, Puerto Rico, to La Guayra, Ven.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																
1				ENE	East	1	0		30.44	75	74	78	be	cus.	6	
2				E x S.	"	1			30.44	74	73	77	"	"	6	
3				S x E	E.S.E.	1			30.43	74	72	77	"	"	5	
4				"	"	1			30.42	74	72	77	bcs.	"	5	
5				S.S.E.	"	1			30.42	74	76	75	"	"	5	
6				S E x S.	"	2			30.42	73	72	70	"	"	5	
7	"		9.2	Various	East	2			30.43	76	72	70	bc.	"	5	
8	5	9	100.1	E 1/2 N.	"	3			30.42	78	78	71	76	"	cu	6	m
9	6	2	6.3	"	"	4	10°-15°		30.43	79	79	74	77	"	"	6	"
10	5	8	12.1	E 3/4 S	"	4	20°-25		30.45	79	79	74	77	"	"	5	"
11	6	2	18.3	"	"	4	10°-15°		30.46	82	80	74	77	"	"	5	"
Noon.	6	7	25.0	"	"	4	10°-15°		30.44	82	80	74	77	"	"	6	"

Position at 8 A. M.: Latitude by ° ' " Temp. of Mag. Fm.

Longitude by ° ' " Aft.

Position at noon: Latitude by observation ° ' " 79-78 77-76

Longitude by observation ° ' "

Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at 5:10 p.m. azimuth o ship's head S 1/4 E.

Error of compass observed at 5:45 " " " " "

Deviation of compass on 5:10 p.m. " " " "

Deviation of compass on 5:45 " " "

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, 4 tons, 1240 lbs.

Coal remaining on hand at noon, 133 " 1910 "

P. M.																
							1/2 S		30.41							
1	6	3	31.3	E 3/4 S	E.NE	4	10°-15°		30.40	84	79	74	76	be	cu	8	m
2	6	0	37.3	"	"	4	10°-15°		30.38	85	79	74	76	"	"	8	"
3	6	7	43.0	E 1/4 S.	"	4	15°-20		30.37	79	79	74	76	"	"	8	"
4	6	2	50.2	Various	"	4	10°-15°		30.37	78	78	73	74	"	"	8	"
5	6	6	56.8	"	East	4	6°-12°		30.38	78	77	73	76	"	"	7	"
6	5	8	62.6	S 1/4 E.	E x S	4	0°-10°	1/4 L	30.38	78	77	73	76	"	"	6	"
7	4	3	66.9	"	"	4	0°-5°	1/4 L	30.40	77	76	71	77	"	"	9	"
8	4	7	71.6	"	"	4	7°	1/4 L	30.41	75	76	74	77	"	"	9	"
9	5	0	76.6	"	"	4	8°	1/4 L	30.42	75	74	73	77	"	clear	8	"
10	5	1	81.7	"	"	4	8°	1/4 L	30.41	76	76	74	78	"	"	8	"
11	5	0	86.7	"	"	4	8°	1/4 L	30.41	76	77	76	77	"	"	4	"
Mid.	4	4	91.1	"	"	4	8°	1/4 L		75	77	76	77	"	"	6	"

under the command of Commander Frank Courtis., U. S. Navy,

Saturday, March 11th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & till 4 a.m.
Fair & pleasant. Light airs from East & E.S.E. Barometer falling slowly. At 10 o'clock started fires under all boilers.

W. Wilson Bell
Ensign, U.S.N.

4 to 8 a.m.
Fair & very pleasant. Light airs to gentle breeze from E.S.E and East. At 6 got under way and stood out of the harbor of San Juan. At 6:50 set over pat log reading 942, and set course E½N. At 7:00 set pat log reading 942 took departure, Fort Geronimo, S.40°W. Morro Lt House, S.40°W, ship's head E½N. (All per Sd)

J. D. Lewis
Lt. U.S.N.

8 am to meridian.
Fair & pleasant. Moderate breeze from East. Under steam alone. Course E½N ½ pt. At 9:00 changed course to E.¾S. ½ p.t.c. Standing along the North coast of Porto Rico. Cape San Juan nearly abeam at noon. The Commander awarded Surgeon extra duty to H. Decker, App 3cl. for shooting and not manning boats falls. By order of the Comdr. released P.H. Rock, App 3cl, from confinement, and restored him to duty.

Chas Parks
Lieut. U.S.N.

meridian to 4 p.m.
Clear & pleasant. Moderate E.N.E'ly breeze. Barometer falling. Land in sight on starboard hand throughout watch. At 3 sighted Culebrita Light House. At 2:15 changed course to E¼S. At 3:25 changed course to E½S, and set jib & main try sail. At 3:30 changed course to E.S.E.¼E and set fore topmast staysail & spanker. At 3:40 changed course to E.S.E½E. Steaming throughout watch. Average steam pressure 155 lbs. Average revolutions 45. Ship rolling moderately, from 10° to 30°. Maximum roll 22°.

W. Wilson Bell
Ensign, U.S.N.

4 to 6 p.m.
Fair & pleasant. Moderate breezes from East & E×S. At 4:25 set foresail. At 4:30 took in and furled spanker. At 5:00 called all hands make sail and set topsails & topgallantsails and changed course to S¼E. At 5:10 set main topmast staysail. At 5:35 the chaplain held prayers. Uncoupled engines at 5:45, and allowed fires to die out under boilers A, B & D. At end of watch on course S¼E under all plain sail to topgallantsails, except mainsail & spanker, and with main topmast staysail and main trysail. Average steam 55 lbs. Average rev 45. Maximum roll, 10°.

F. M. Bennett
Ensign, U.S.N.

6 to 8 p.m.
Fair & pleasant. Moderate E×S½S breeze. Barometer rising. Maximum roll 8°. At end of watch on course, S¼E. p.t.c. under sail as in previous watch.

Ralph Earle
Ensign, U.S.N.

8 p.m. to midnight.
Fair to clear & pleasant. Moderate breeze from E×S. Standing on course S¼E ½ pt. during watch, and under same sail as previous watch.

J. D. Lewis
Lieut. U.S.N.

Examined and found to be correct.

C. F. Lenpe.
Lt
Navigator.

4—555

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from San Juan, Puerto Rico, to La Guayra, Venezuela.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.							P.S.										
1	4	8	95.9	S ¼ E	E x S	4	0-5°	¼	30.27	76	76	73	76	b.e.	cu.	8	S
2	4	7	100.6	"	"	4	0-5°	¼	30.25	76	76	73	76	b.c.p.	cu.s.	5	"
3	4	7	5.5	"	"	4	0-5°	¼	30.24	76	76	73	76	b.e.	"	6	"
4	4	1	9.6	"	"	3-4	0-6°	¼	30.27	77	76	73	76	"	"	6	"
5	4	7	14.1	"	"	3-4	0-25°	¾	30.30	77	76	73	77	b.c.p.g.	"	6	"
6	4	8	18.9	East	East	2-4	0-9°	½	30.31	77	76	74	77	"	"	4	"
7	6	0	24.9	"	"	4	0-9°	½	30.32	77	74	72	77	b.c.p.	"	5	M
8	6	9	31.8	"	E x S	5	0-10°	½	30.34	77	76	74	77	b.c.	"	6	"
9	6	4	36.2	"	"	5	0-10°	½	30.35	78	76	74	76	"	cu	7	"
10	6	8	42.0	"	"	4-5	0-10°	½	30.35	80	80	75	77	"	"	7	"
11	6	7	51.7	"	"	4-5	0-10°	½	30.33	79	80	75	77	"	"	6	"
Noon.	7	0	58.7	"	"	5	0-10°	½	30.33	79	80	75	77	"	"	6	"

Position at 8 A. M. { Latitude by D.R. 17° 5' 48" N Temp. of Mag. 80-78
Longitude by Obs. 65° 15' 15" W. For. 77-76

Position at noon: { Latitude by observation 16° 20' 0" N
Longitude by observation 65° 15' 15" W
Latitude by D. R. 16° 35' 24" N
Longitude by D. R. 65° 6' 12" W.

Course made good since preceding noon: S. 2° W.

Distance made good since preceding noon: 114 miles.

Distance by Log since preceding noon: 133.7 miles.

Current per hour: 1 1/10 miles, set S 25° W. true.

Position at 8 P. M. { Latitude by D.R. 15° 28' 00" N
Longitude by 65° 14' 15" W.

Variation of compass: 8 pts. 45 m. agaimth 0 ships head S by E. 3° 10' wly var. was 20' Ely
Error of compass observed at S. 45 " " 0 " " " 3° 30' " " " 20' "
" " " S 0 " " " " 3° 30' " " " 20' "
Deviation of compass on S 45 " " " " " " 3° 50' " " " 20' "

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, 3 tons, 960 lbs.

Coal remaining on hand at noon, 130 " 950 "

P. M.							P.S.										
1	6	6	65.3	S ¼ E.	E x S	5	0-20°	¼	30.32	78	80	75	77	trc.	cu	7	M
2	6	7	72.	"	"	5	0-20°	¼	30.30	80	80	76	77	"	"	6	"
3	7	0	79.	"	East	5	0-20°	½	30.29	80	80	75	77	"	"	6	"
4	7	0	86.	"	"	5	0-25°	½	30.28	80	80	75	77	"	"	6	"
5	6	8	92.8	"	"	4	0-25°	½	30.34	80	80	74	77	"	"	7	"
6	6	1	98.9	"	"	4	0-24°	½	30.34	79	79	77	77	"	"	4	"
7	6	3	5.2	"	"	4	0-24°	½	30.36	77	76	76	77	"	"	6	"
8	5	7	10.9	"	"	4	0-20°	½	30.36	78	75	74	77	"	"	6	"
9	6	1	17.0	"	"	4	0-15°	½	30.36	78	75	74	77	"	cu.s	6	"
10	6	0	23.0	"	"	4	0-15°	½	30.38	76	75	74	77	"	"	6	"
11	6	8	29.8	"	"	4	0-15°	½	30.38	78	75	74	77	"	"	7	"
Mid.	6	3	35.6	"	E x N	4	0-15°	½	30.38	78	75	74	77	"	"	8	"

under the command of Commander Frank Courtis, , U. S. Navy,

Sunday, March 12th. , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Fair & pleasant. Moderate breeze from E x S. Course, S ¼ E. p.s.c. Under jib, fore & main topmast stay sails, main try sail, and square sails except the royals. Ships maximum Leel, 8° to starboard. Distilling.

C. W. Parks
Lieut. U.S.N.

4 to 8 a.m.
Fair & pleasant, light passing rain showers. Light to stiff breeze from E x S & East. Barometer rising. At 4.30 took in main topmast stay sail, & at 6.0 set it again. At end of watch under same sails as previous watch. Maximum Leel. 10° to starboard. Distilling.

W. Theo. Brown
Ensign, U.S.N.

8 a.m. to meridian.
Clear pleasant weather. Moderate to stiff breeze from E x S. At 9.30 mustered at quarters, no absentees. The Comdg. Officer inspected the ship and crew. The Comdg. Officer assigned the following punishments at the mast: 1st Class Coal Passer Jno. Brown, app'd 3el, absent at muster formation, 4 hrs extra duty. D. J. McCahill, G.M. Miller, O. Pengle, J. New, B. Cole, F. Litz, Gst. Dillingham, app'd 3el, absent at muster formation, 4 hrs extra duty. M. M. Nelson, ap'd 3el, disorderly at muster formation and insolence to master-at-arms, 2 days solitary confinement on bread & water. E. Thomas, app'd 3el, slow in obeying orders, 4 hours extra duty. At end of watch on course S ¼ E. dist. log 58.7. Ship under T. sails & top gallant sails, fore sail, jib, fore & main topmast stay sails, and main try sail. Max. roll, 10° to leeward. The Chaplain held divine service. Distilling.

F. M. Bennett. Ensign, U.S.N.

meridian to 4 p.m.
Fair & pleasant. Stiff E x S'ly to E'ly breeze. Barometer falling. Max. lee roll, 25°. Distilling. At 10 the Chaplain held divine service. At end of watch on course S ¼ E. p.s.c., log 66.0, under same sails as in previous watch.

Ralph Earle,
Ensign, U.S.N.

4 to 6 p.m.
Clear to fair, and very pleasant. Moderate breeze from East. Under same sail as previous watch, and on course S ¼ E. p.s.c. At 5.0 went to quarters for muster, followed by prayers. Distilling.

T. D. Davis
Lieut. U.S.N.

6 to 8 p.m.
Fair & pleasant. Moderate breeze from East. Course, S ¼ E. p.s.c., under same sail as preceding watch. Maximum heel, 10° to starboard. Distilling.

C. W. Parks
Lieut. U.S.N.

8 p.m. to mid night
Fair & pleasant. Damp. Moderate breeze from East, and E x N. Barometer steady. Course, S ¼ E. p.s.c. Under same sail as in preceding watch. Max. heel 15° to starboard. Distilling.

W. Theo. Brown
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lt. Navigator.

4—888

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Making passage from San Juan, Puerto Rico, to La Guayra, Venezuela.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.							P. S.										
1	4	4	42.	S 1/4 E	E x S	4	8°	1/2	30.34	78	77	74	77	b c	cu.	6	S.
2	6	2	48.4	"	"	4	8°	1/2	30.34	78	78	77	77	"	"	6	"
3	6	8	55.	"	"	4	10°	1/2	30.34	78	78	76	77	"	"	7	"
4	4	7	59.7	"	"	4	10°	1/2	30.34	78	78	76	77	"	"	8	"
5	5	6	65.3	"	East	4-5	8°	1/2	30.33	79	78	76	77	"	"	8	"
6	6	7	72.0	"	"	4-5	10°	1/2	30.34	79	76	73	77	"	S. cu.	7	"
7	6	6	78.6	"	"	4	10°	1/2	30.36	76	78	75	77	"	cu	6	M
8	7	3	85.9	"	"	4-5	12°	1/2	30.37	78	80	76	77	"	"	6	"
9	7	9	93.8	"	"	5	12°	1/2	30.37	79	79	76	77	"	"	6	"
10	7	7	1.5	"	"	5	15°	1/2	30.36	79	79	76	77	"	"	5	"
11	7	5	9.0	"	"	5	14°	1/2	30.29	80	82	78	77	"	"	5	"
Noon.	7	3	16.8	"	"	5	14°	1/2	30.37	80	81	78	77	b c p	cu.	7	"

Position at 8 A. M.: Latitude by D. R. 14 °12 '48 " N Temp. of Mag. 77
Longitude by Obs. 65 °20 '00 " W. " Jce 74°

Position at noon: Latitude by observation 12 °40 ' " N 80-78
Longitude by observation 65 °20 ' " W
Latitude by D. R. 12 °42 ' " N
Longitude by D. R. 65 °15 ' " W.

Course made good since preceding noon: S 20° W.

Distance made good since preceding noon: 160 miles.

Distance by Log since preceding noon: 157 miles.

Current per hour: 2 3/10 Tenths miles, set S 67° W. true.

Position at 8 P. M.: Latitude by D. R. 12 °40 ' " N.
Longitude by Obs. 65 °26 '23 " W.

Variation of compass: 2° 40' wly (var. used 1° 30' Ely)

Error of compass observed at 5:47 P.M. azimuth O. ships head S 1/4 E — 2° 50' wly (var. used 1° 30' Ely)
7:45 azimuth O. ships head S 1/4 E — 4° 10' " " " 1° 30' " "

Deviation of compass on 7:45 " " " " " — 3° 50' " " " 1° 30' " "

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 1 tons, 120 lbs.

Coal remaining on hand at noon, 129 " 830 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
P. M.							P. S.										
1	7	1	22.4	S 1/4 E	East	5	15°	1/2	30.35	80	78	77	77	b.c.p.	cu.	3	M
2	7	1	30.5	"	"	5	20°	1/2	30.30	80	78	77	77	b.c.	"	6	"
3	7	6	38.1	"	"	5	18°	1/2	30.29	81	77	77	77	"	cu.	6	"
4	7	4	45.5	"	"	5	20°	1/2	30.29	81	79	80	77	b c p	cu.	5	"
5	7	5	53.0	"	"	5	20°	1/2	30.30	80	79	79	77	b c	"	4	"
6	7	7	60.2	"	"	5	25°	1/2	30.30	80	79	79	77	"	"	4	"
7	8	0	68.2	"	"	5	25°	1/2	30.30	79	76	79	77	"	"	6	"
8	7	7	76.9	"	"	5	28°	1/2	30.30	79	76	79	77	"	"	6	"
9	7	1	83.0	S x W 3/4 W	"	5	18°	-	30.34	79	79	78	76	"	"	6	"
10	7	0	90.0	"	"	4	20°	-	30.33	79	79	78	76	"	cu	8	"
11	7	2	97.3	"	"	4	20°	-	30.34	79	79	78	76	"	"	8	"
Mid.	7	0	4.3	"	"	4	25°	-	30.34	79	79	78	76	"	"	8	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, March 13th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 8 till 4 a.m.
Clear & pleasant. Moderate breezes from E. & S. At end of watch on course, S. 1/4 E., pat. log 89.7; ship under all square sail to topgallantsails, except mainsail, and with jib, fore & main topmast staysails, and main trysail.

W. M. Bennett, Ensign, U.S.N.

4 to 8 a.m.
Cloudy to pleasant. Moderate to stiff E. by S. breezes. Barometer rising. Maximum lee roll, 12°. Stopped distilling at 7:00, and low banked fires under boiler "B". Passed a barkentine, bound to westward. At 7:20, set royals, flying jib, and spanker. At end of watch on course, S. 1/4 E. p. s. c., log 85.9, under plain sail except mainsail to royals, fore & main topmast staysails, and main trysail.

Ralph Earle, Ensign, U.S.N.

8 a.m. to meridian.
Fair & pleasant. Stiff breeze from East. On course S. 1/4 E. p. s. c. during watch. At 9:30 went to quarters for inspection, followed by fire and collision drills by divisions. Took in royals and flying jib at 9:00. Released G. P. Welch, apprentice, from term of confinement having expired. The Commdg. Officer awarded the following punishments: F. Howard, apprentice, 4 hrs. extra duty for talking in rank; P. P. Litz, 4 hrs. extra duty for spitting on deck at drill. At end of watch under fore & main topmast staysails, and plain sail to topgallant sails, except mainsail.

F. Terry, Lieut. U.S.N.

meridian to 4 p.m.
Cloudy & pleasant. Stiff breeze from East. Course, S. 1/4 E. p. s. c., under jib, fore & main topmast staysails, main trysail, and square sails except royals. Exercised apprentices of the watch on deck at the gear, and the watch below at knotting and splicing. Rec'd 1 to starboard 20°.

C. M. Fahs, Lieut. U.S.N.

4 to 6 p.m.
Fair to cloudy & pleasant. Stiff breeze from East, barometer steady. Under same sail as in preceding watch. Rec'd 1 deg. 25° to starboard. At 5:15 mustered at quarters, after which the chaplain held prayers. Course, S. 1/4 E., p. s. c.

W. Chauncey Cole, Ensign, U.S.N.

6 To 8 p.m.
Fair, pleasant weather. Fresh breeze from East. Moon set at 7:30. At 7:55 took in main topmast staysail. At end of watch on course S. 1/4 E. Pat. log, 75.9. Under topsails, topgallant sails, forsail, jib, fore topmast staysail & main trysail. Maximum lee roll, 25°.

W. M. Bennett, Ensign, U.S.N.

8 p.m. to midnight.
Fair & pleasant. Moderate E. by S. breezes. Barometer nearly steady. Maximum roll, 20°. At 8:15, log 77.4, changed course to S. 1/4 W. p. s. c. At end of watch, under same sail as previous watch, on course S. 1/4 W., patent log 4.3.

Ralph Earle, Ensign, U.S.N.

Examined and found to be correct.

E. F. Qualtrough, Lieutenant, U.S.N. Navigator.

4—355

LOG of the UNITED STATES Training Ship Essex Rate,

Making Passage from San Juan, Puerto Rico, to La Guayra Ven.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.							P. S.										
1	6	7	11.0	SW x W ½ W	East	5	15	1/4	30.30	79	78	75	77	b.c.	cir.	6	m
2	7	0	18.0	"	"	5	5°15°	1/4	30.30	79	78	75	77	"	"	6	"
3	6	6	24.6	"	"	5	5°15°	1/4	30.29	78	78	75	77	"	"	6	"
4	7	2	31.8	"	"	5	5°15°	1/2	30.28	78	78	75	77	"	"	6	"
5	7	2	39.0	SW ½ S.	"	4	1°9°	0	30.28	78	77	75	77	"	cu.	6	"
6	7	3	46.3	"	"	4	20°9°	0	30.30	78	77	75	77	"	"	4	"
7	7	5	53.8	SW x S	"	5	30°9°	0	30.24	79	77	75	77	"	"	4	"
8	7	0	60.8	"	"	4-5	3°8°	0	30.32	80	78	76	74	"	cu	4	"
9	7	7	68.5	"	"	4-5	3°10°	0	30.34	81	79	76	76	b.c.m	n.st	8	S
10	7	5	75.4	"	"	5	30°10°	0	30.35	81	78	75	76	"	"	7	"
11	7	4	80.8	"	"	5	3°10°	0	30.35	81	78	75	76	"	"	7	"
Noon.	7	7	88.5	"	"	5	3°10°	0	30.32	83	80	77	76	"	"	5	"

Position at 8 A. M.: Latitude by D. R. 11 ° 29 ' " N

Longitude by Obs. 66 ° 15 ' 13 " W.

Position at noon: Latitude by observation 11 ° 8 ' 13 " N.

Longitude by observation 66 ° 32 ' 0 " W

Latitude by D. R. 11 ° 5 ' 18 " N.

Longitude by D. R. 66 ° 31 ' " W.

Course made good since preceding noon: S 25° W.

Distance made good since preceding noon: 168 miles.

Distance by Log since preceding noon: 172.2 miles.

Current per hour: 1 ', miles, set West true.

Position at 8 P. M.: Latitude by ° ' "

Longitude by ° ' "

Variation of compass:

Error of compass observed at 760 azimuth ○ ship's head SW x S 1°-03' W. by variation 2°7' E.

Deviation of compass on 760 " ○ " " " 3° 10' "

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons, 1940 lbs.

Coal remaining on hand at noon, 127 " 1130 "

P. M.																	
1	6	3	94.8	SW x S	East	4	0°-8°	0	30.30	81	78	76	77	b.c.m	cu.m.	6	S
2	7	6	2.4	"	"	4	2°5°	0	30.26	83	79	77	77	"	ci cum	7	"
3	7	5	9.9	"	"	4	1°2°	0	30.23	83	79	77	77	"	"	6	"
4	8	5	18.4	"	"	4	1°2°	0	30.24	84	79	77	77	"	st.	4	"
5				Variou	"	4			30.23	77	79	76		ocdp	n.	0	
6				NE x E	"	3			30.23	77	77	76		"	"	0	
7				"	"	2			30.24	77	77	76		b.c	o.cu.	2	
8				ENE	"	2-3			30.25	77	77	76		"	"	1	
9				NE x E	"	2-4			30.27	77	77	75		"	"	2	
10				"	"	2			30.28	77	76	75		"	cu.	3	
11				"	"	2			30.28	76	76	74		"	"	5	
Mid.				"	"	1			30.28	76	76	74		"	"	6	

4—963

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, March 14th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & very pleasant. Stiff breezes from East. At 1:30 set main topmast staysail. On course S x W 3/4 W. during watch. At end of watch under fore & main topmast staysails and main trysail and plain sail to topgallant sails except mainsail & spanker.

F. T. Bowers,
Lieut. U.S.N.

4 to 8 a.m.
Cloudy & pleasant. Moderate to stiff breezes from East. Course S x W 3/4 W. p.s.c., under same sail as preceding watch. At 4:48 changed course to S. W 3/4 S. p.s.c., pat. log 3.9. At 6:35 changed course to S W x S. p.s.c. pat. log 4.2. At 5:30 sighted Orchilla Isld., the Eastern mountain bearing abeam on starboard hand and 42 miles distant. At 5:00 set royals, and at 6:35 set flying jib. Lighted fires under the three remaining boilers.

C. M. Johns
Lieut. U.S.N.

8 a.m. to meridian.
Clear & hazy. Moderate to stiff breeze from East. Barometer falling. At 9:30 mustered at quarters after which exercised divisions as per routine. The Commander assigned the following punishments: D. Stromberg, app. 3cl., asleep on watch, 2d class. F. E. Hutchins, app. 3cl. C. A. Rowley, app. 3cl. G. Turner, app. 3cl., D. Overlack, app. 3cl., failing to last & carry hammocks, to be called one hour before all hands. At end of watch on course S W x S. under all plain sail except mainsail & spanker, also main topmast staysail & main trysail. Passed two sail, standing in opposite direction. Ship rolling easily, from 3° to port to 10° to starboard.

Enrique, U.S.N.

meridian to 4 p.m.
Fair & pleasant. Moderate breezes from East. At 12:40 took in royals and flying jib. At 1:00, called all hands shorten sail and took in and furled all square sail. Coupled up propellor at 1:12 and started engines full speed ahead. At 1:30 sighted high land, ahead and on port bow. Made preparations for coming into port. At 2:00 set clocks ahead 7 minutes. At end of watch on course, S W x S. pat. log, 18.4, under jib, fore & main topmast staysail & main trysail. Average steam 50 lbs. average revolutions 40.

F. W. Bennett. Enrique, U.S.N.

4 to 8 p.m.
Overcast & cloudy, with light drizzling rain first half. Light to moderate E'ly breezes. Barometer rising. At 4:00 changed course to S. W. p.s.c. At 4:35 hauled in pat. log, and observed various courses into La Guayra. At 4:30 took in jib, fore & main topmast staysails, and main trysail. At 5:05 moored to outer buoy inside of breakwater at La Guayra, with port chain. Set a hedge out N. & W. of ship, with 90 fms. of line from port quarter. Captain of port boarded ship and granted pratique. At 7:00 the Chaplain held evening prayers. Fires were allowed to die out under boilers 1, 2 & 3. Keeping boiler 3 in use for distilling purposes. Rev. 329, and steam pressure 50 lbs. from 4 to 8. Draft of ship fwd. 14'4, aft. 17'.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Fair & pleasant. Light airs & breezes from East. Moon set at 8:20.

F. T. Bowers
Lieut. U.S.N.

Examined and found to be correct.

E. T. Cooper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, La Guayra, Venezuela.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Sunrise.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE.	SE	1			30.27	76	75	74		be	cu	9	
2				NExE.	East	1			30.25	76	75	73		"	"	8	
3				"	Calm	0			30.25	76	75	73		"	cis	6	
4				"	East	1			30.25	76	74	73		"	cu	7	
5				"	"	0			30.26	75	75	74		be	nsu	10	
6				NE	"	0			30.27	76	75	74		be	scu	7	
7				"	"	1			30.29	76	75	73		"	cir	8	
8				"	"	1			30.30	76	76	73		"	"	8	
9				NExE	ENE	2-4			30.31	75	78	75		"	cis cu	8	
10				ENE	"	3			30.24	75	80	75		"	"	1	
11				"	"	3-4			30.26	80	80	77		"	"	1	
Noon.				NExE	"	4			30.36	80	80	77		"	"	1	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 2 tons, 960 lbs.

Coal remaining on hand at noon, 124 " 170 "

P. M.																	
1				NExE	ENE	4			30.33	80	80	77		be.	acu	7	
2				"	"	4			30.30	78	78	76		"	"	7	
3				"	"	4			30.27	77	78	76		"	"	7	
4				"	"	4			30.26	77	77	76		"	"	7	
5				"	"	4			30.26	77	76	75		"	"	7	
6				"	"	4			30.26	77	76	75		"	"	7	
7				"	"	4			30.27	77	76	75		"	"	4	
8				"	"	1			30.28	76	76	75		"	"	5	
9				"	"	1			30.28	76	76	75		"	"	6	
10				"	"	1			30.29	76	76	73		"	"	5	
11				"	"	1			30.31	77	76	73		"	"	8	
Mid.				"	"	1			30.33	77	76	73		"	"	9	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, March 15th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear and pleasant. Light airs from S.E. to East. Calm 3d hour.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m.
Fair & pleasant. Calms & light E'ly breeze. Barometer rising. At 6:00 fired a salute of 21 guns, Irregular flag at the main, which was returned, gun for gun, by the fort.

Percy De Carle,
Ensign, U.S.N.

8 a.m. to meridian.
Fair & pleasant. Light to moderate breeze from E.N.E. At 8:15 the French stmr. "Labrador" came in and made fast to buoy just ahead of us. At 8:45 sent down royal and topgallant yards. At 9:30 went to quarters for inspection followed by company & battalion drill. At 10 the U.S. Consul came off to ship on official visit to the Commanding Officer and on leaving was given a salute of 7 guns. Title was ordered carried under two bells. The Commanding Officer awarded the following punishments: A. F. Campbell, appr. 3d cl, 8 hrs. extra duty for chewing tobacco. J. Robinson, Messman, deprivation of liberty in the port, for refusing to obey order. W. C. Scott, appr. 3d 3 days solitary confinement, on bread and water, for stealing. Enfried W. C. Scott, appr. 3d, in accordance with punishment awarded. At 11:30, housed topgallant masts, and rigged in flying jib boom.

F. T. Leavy
Lieut. U.S.N.

meridian to 4 p.m.
Cloudy & cool. Moderate E.N.E. ly breeze. Overhauled the wheel ropes, and found them in good condition. The Commander called officially on the Collector of the Port. Exercised the apprentices at loosing and furling the topgallant sails.

C. M. Fahs
Lieut. U.S.N.

4 to 8 p.m.
Cloudy & cool. Moderate breeze from E.N.E. Ran in all the guns of the main battery, and overhauled and cleared slides. Rec'd from the U.S.S. Wilmington Hydrographic Charts 674, 675, 676, 677, which were loaned at Trinidad. At 6:00, the French stmr. "Labrador" left the harbor.

F. T. Leavy
Lieut. U.S.N.

8 p.m. to midnight
Clear & pleasant. Light E.N.E. ly airs.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leighton
Lieutenant, U.S.N. Navigator.

4-888

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, La Guayra, Venezuela.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE x E	Calm	0			30.30	76	75	73		be	cu	9	
2				"	"	0			30.28	76	75	73		"	"	9	
3				"	"	0			30.27	74	75	73		"	"	7	
4				"	"	0			30.26	76	74	73		"	"	7	
5				"	"	0			30.27	76	75	73		be	—	10	
6				"	"	0			30.28	75	75	73		be	cis	7	
7				"	"	0			30.30	77	76	74		"	dcal	7	
8				"	"	0			30.31	79	83	76		"	"	7	
9				"	ENE	1			30.33	77	80	76		"	"	9	
10				"	"	1			30.33	77	80	76		"	"	4	
11				"	"	1			30.33	77	80	76		"	"	4	
Noon.				"	"	1			30.33	77	80	76		"	"	5	

Position at 8 A. M.: Latitude by ° ′ ″ Temp of Mag.
Longitude by ° ′ ″ For Aft.

Position at noon: Latitude by observation ° ′ ″ 80-77 74-76
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, tons, 1660 lbs.

Coal remaining on hand at noon, 173 " 750 "

P. M.																	
1				NE x E	ENE	1			30.29	81	79	75		be	cu	5	
2				NE	NE	1			30.28	80	79	75		"	"	6	
3				NE x E	"	1			30.28	78	79	74		"	"	4	
4				"	ENE	3			30.25	77	78	74		"	"	4	
5				"	"	1			30.25	77	78	74		"	"	3	
6				"	"	1			30.25	76	76	73		"	"	3	
7				"	"	1			30.25	76	76	73		"	"	1	
8				"	"	1			30.26	76	76	73		"	"	2	
9				"	"	1			30.27	75	73	73		"	cicu	3	
10				NE	"	1			30.28	75	75	73		"	"	9	
11				NE x E	Calm	0			30.29	76	74	74		"	S	9	
Mid.				"	"	0			30.29	75	74	74		b.	—	10	

4—265

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, March 16th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Calms. Barometer falling. Ship rolling from 5° to 10°.

W. H. Allen
Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Calm. At 7:00 the Dutch Stmr. Prins Willem II came in.

J. D. Drury
Lieut. U.S.N.

8 am. to meridian.
Fair & pleasant. Light E & N'E'ly breeze. At 9:30 inspected at quarters. Exercised divisions at routine drill 1st period. Exercised at loosing and furling the royals & topgallant sails during 2d period.

C. W. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Fair & pleasant. Light E & N'E'ly and N'E'ly breezes. Barometer falling. Exercised apprentices at loosing and furling topgallant sail & royal. Also at bugle calls. The Venezuelan gunboat "Gen. Crespo" came into port, and was boarded by an officer. Raised all 4 guns on fuzes. The Collector of Port called on the Comndg. Officer, accompanied by the Captain of the Port. Sent liberty party ashore.

W. H. Allen
Ensign, U.S.N.

4 to 8 p.m.
Cloudy & pleasant. Light E & N'E by breeze. The Venezuelan gunboat "Mariscal" came in and anchored. Sent an officer to board her. The Dutch stmr. Prins Willem II put to sea at 6:00.

C. W. Fahs
Lieut. U.S.N.

8 p.m. to midnight
Clear & pleasant. Light E & N'E'ly airs & calms. Barometer rising. Ship rolling 5° to 10° at times. Moon set at 10:45.

W. H. Allen
Ens'ign, U.S.N.

Examined and found to be correct.

E. F. Draper.
Lieutenant, U.S.N. Navigator.

4—999

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, La Guayra, Venezuela.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																
1				NE	Calm	0			30.28	79	78	71	b.	nmx	10	
2				"	"	0			30.26	74	74	74	"	"	10	
3				"	"	0			30.26	74	74	90	"	"	10	
4				"	"	0			30.26	74	74	70	"	"	10	
5				"	"	0			30.26	74	74	70	"	"	10	
6				"	"	0			30.26	75	74	70	"	"	10	
7				"	"	0			30.26	75	74	74	"	"	10	
8				"	"	0			30.26	77	80	75	"	"	10	
9				"	"	0			30.28	80	84	75	Le	cicu	9	
10				"	NE	2			30.30	84	80	77	"	"	9	
11				"	"	3			30.34	78	80	77	"	"	8	
Noon.				"	"	4			30.35	80	80	77	"	"	7	

Position at 8 A. M.: Latitude by ° ′ ″ Temp. of Mag. For. Mg.

Longitude by ° ′ ″ 80-76 77-76

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 1520 lbs.

Coal remaining on hand at noon, 177 " 1470 "

P. M.													
1	NE x E	ENE	3-4		30.33	80	77	76	Le	cu	7		
2	"	"	3-4		30.33	80	79	76	"	"	7		
3	"	"	3-4		30.31	80	79	76	"	"	7		
4	"	"	2-3		30.29	78	78	75	"	"	7		
5	"	"	2		30.29	77	77	75	"	scu	2		
6	"	"	2		30.30	77	77	75	"	"	1		
7	"	"	2		30.30	76	76	74	"	"	3		
8	"	"	1		30.31	76	75	74	"	cicu	5		
9	"	"	1		30.33	76	75	74	"	"	5		
10	NE	Calm	0		30.34	76	75	74	"	"	5		
11	"	"	0		30.35	78	75	75	"	"	7		
Mid.	"	"	0		30.35	78	75	74	"	"	7		

under the command of Commander Frank C Curtis, U. S. Navy,

Friday, March 17th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear & calm. Barometer falling very slowly

E. F. Leiper.
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Calm. Recd. in Pay Dept. for the crew, fresh provisions as follows: 152 lbs. of bread, 190 lbs. of beef, and 190 lbs. of vegetables.

C. M. Fahs
Lieut. U.S.N.

8 am. to meridian.
Clear & pleasant. Calm to moderate N.E'ly breeze. Barometer rising. The Commanding Officer of the Venezuelan gunboat "Gen'l Crespo" called on the Commanding Officer. At 9:30. went to general quarters, all divisions reporting ready in 4½ minutes. Upon quarters, exercised boys loosing and furling t'gallant sails. The magazine & shell rooms were tested, and found in good condition. By order of the Commander, A. Bennett, appr. 2d was released from confinement, his term having expired.

W. F. Lee
Ensign, U.S.N.

meridian to 4 p.m.
Clear & pleasant. Gentle to moderate breezes from E.N.E. Barometer falling. The commanding officer of the Venezuelan gunboat "Mariscal" called on board officially. Exercised apprentices, loosing and furling t'gallant sails & royals, and gave instruction in overhauling breech mechanism of 1 pdr. & 6 pdr. & 3" B.L. Field Piece, and 4" R.F. guns. Cleaned bilges. Sent liberty party of apprentices & crew on shore.

E. F. Leiper
Lieut. U.S.N.

4 to 8 p.m.
Fair, to cloudy, and pleasant. Light E.N.E'ly breeze. Barometer steady. Venezuelan steamer left the harbor at 6.25. Liberty party returned. Ship rolling easily, at 8 P.M. 5° to 8°

W. F. Lee
Ensign, U.S.N.

8 p.m. to midnight.
Clear pleasant weather. Calms & light air from E.N.E. Moon set at 11:15

A. M. Bennett, Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieutenant, U.S.N. Navigator.

LOG of the UNITED STATES Training Ship Essex Rate,

At anchor, La Guayra, Venezuela

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE	Calm	0			30.32	76	74	73		b.c.	cu	8	
2				"	"	0			30.33	76	74	73		"	c.s	7	
3				"	"	0			30.34	75	73	74		"	"	6	
4				"	"	0			30.34	75	73	74		"	S.	7	
5				NE by E	"	0			30.34	77	76	76		"	"	7	
6				NE	"	0			30.34	77	73	72		"	"	4	
7				"	"	0			30.29	79	78	75		"	a.cu	4	
8				"	"	0			30.34	80	81	77		"	F.cu	5	
9				"	"	0			30.36	68	80	77		"	a.cu	3	
10				"	"	0			30.37	84	82	78		"	" cu	3	
11				"	NNE	1			30.33	81	80	79		"	"	6	
Noon.				"	"	1			30.33	81	81	78		"	"	6	

Position at 8 A. M. { Latitude by ° ′ ″ Temp of Mag. Fore
Longitude by ° ′ ″ Aft

Position at noon: { Latitude by observation ° ′ ″ 80.78 77.76
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 1940 lbs.

Coal remaining on hand at noon, 121 " 1770 "

P. M.																	
1				NE	N.N.E.	1			30.30	86	82	80		b.e.	ci cu	3	
2				"	"	1			30.29	86	82	80		"	"	3	
3				"	"	1			30.26	82	82	79		"	"	5	
4				"	"	1			30.25	82	82	79		"	"	5	
5				"	ENE	1			30.25	79	78	76		"	"	5	
6				"	"	1			30.26	78	78	75		"	"	3	
7				"	"	1			30.27	77	77	75		"	"	3	
8				"	"	1			30.28	76	77	75		"	"	4	
9				"	"	1			30.28	78	77	75		oc	"	0	
10				"	"	1			30.28	78	77	75		b.c	"	4	
11				"	"	1			30.28	78	77	75		"	"	3	
Mid.				"	"	1			30.28	78	77	75		"	"	3	

4—255

under the command of Commander Frank C. Curtis, , U. S. Navy,

Saturday, March 18th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & til 4 a.m.
Fair, pleasant, and calm. Barometer fell slightly.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m.
Fair & pleasant. Calm. Barometer falling slowly, last two hours. Recd. in Dept. of Sup. & Accts. 152 lbs. of fresh bread and 40 lbs. each of fresh beef and vegetables, for issue to crew. German Steamer "Canadia" came in & went alongside the dock.

Ensign, U.S.N.

8 am to meridian
Fair & pleasant weather. Calms and light airs from N.N.E. Engaged in cleaning ship. Got topgallant yards in rigging. The Commdg. Officer assigned the following punishments at the mast: J. D. McLaughlin, app. 3d, 1 neglect of duty to loose sail, 1 hr. extra duty, and refusing to scrub an oar, 3 days solitary confinement on bread & water. C. Williamson, app. 3d, and C. N. Hollum, app. 3d, talking in hawse, 1 hr. extra duty. A. P. Watson, app. 3d, having chewing tobacco in his possession, 8 hrs. extra duty. W. W. Holt, app. 3d, smoking, 8 hrs. extra duty, and abusive language, 1 hour extra duty. J. D. McLaughlin, app. 3d was placed in solitary confinement on bread & water by order of Commanding Officer. Commenced distilling at 8.50

T. M. Burnett Ensign, U.S.N.

Meridian to 4 p.m.
Cloudy & pleasant. Light N.N.E'ly airs. Barometer falling.

Ralph Earle,
Ensign, U.S.N.

4 to 8 p.m.
Cloudy, light airs from E.N.E. At 6.50 the tug steamed out of the harbor.

T. M. Burnett, Ensign, U.S.N.

8 p.m. to midnight.
Cloudy & pleasant. Light E.N.E'ly airs. Barometer steady. Moonlight.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Dalton.
Lieutenant, U.S.N. Navigator.

4-985

LOG of the UNITED STATES Training Ship Essex Rate,

Anchor, La Guayra, Venezuela.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Ther. att'd.	TEMPERATURE. Air. Wet Ther. att'd.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																
1				NE x E	Calm	0			30.28	77	77	75	bc	Sc cu	4	
2				"	"	0			30.29	76	76	74	"	"	4	
3				"	"	0			30.28	76	76	74	"	"	4	
4				"	"	0			30.28	77	76	74	"	"	4	
5				"	"	0			30.26	76	76	74	"	"	4	
6				NE	"	0			30.25	77	75	74	"	"	4	
7				"	"	0			30.29	79	75	74	"	"	4	
8				"	"	0			30.37	81	80	78	"	"	4	
9				"	NNE	1			30.31	81	80	75	"	"	4	
10				"	"	1			30.31	81	80	75	"	"	4	
11				"	NE	2			30.31	76	80	75	"	"	4	
Noon.				"	ENE	2			30.31	78	80	75	"	"	4	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1700 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 1 tons, 1170 lbs.

Coal remaining on hand at noon, 120 " 600 "

P. M.																
1				NE x E	ENE	2			30.28	79	79	76	bc	Sc cu	2	
2				"	"	2			30.26	79	79	77	"	"	2	
3				"	"	2			30.27	79	79	77	"	cu S	3	
4				NE	"	2			30.27	79	79	76	"	cu	4	
5				"	"	2			30.27	79	79	76	"	"	2	
6				"	"	2			30.27	76	76	74	O.C.	"	0	
7				"	"	1			30.25	76	76	74	"	"	0	
8				"	"	1			30.25	76	76	74	"	cu	0	
9				"	"	1			30.26	78	77	75	"	Sc cu	0	
10				"	"	1			30.26	77	76	75	"	"	0	
11				"	"	1			30.26	77	76	75	"	"	0	
Mid.				NE x E	"	1			30.26	77	76	75	"	"	0	

under the command of Commander Frank C. Curtis, U. S. Navy,

Sunday, March 19th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Fair & pleasant. Calm. Moon set at 12:10

J. T. Newry
Lieut. U.S.N.

4 to 8 a.m.
Fair, pleasant weather. Calms. At 6:00 the U.S. Mail stmr. "Caracas" steamed in and went alongside of breakwater. Recd. mail from "Caracas." Recd. in Dept. of Sup. & Accts. fresh provisions as follows: 152 lbs. of bread, 190 lbs. of beef, and 190 lbs. of vegetables.

F. M. Bennett, Ensign, U.S.N.

8 am to meridian.
Cloudy & pleasant. Light N.N.E. by, N.E. by, and E.N.E. airs and breezes. Barometer steady. At 9:30 inspected at quarters, no absentees, after which the Comdg. Officer inspected ship and crew. At 10:30 the Chaplain held divine service. The Comdg. Officer assigned the following punishments: E. T. Hoff, app. 3cl., sleeping on deck, 4 hrs. extra duty; Jas. Graham, Master-at-arms, using dirty buckets in ward room, 2d class; J. R. Phillips, app. 3cl., slow in obeying orders, 8 hrs. extra duty.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Cloudy & pleasant. Light breeze from E.N.E. At 1:30 the Chaplain held divine service.

J. T. Newry
Lieut. U.S.N.

4 to 8 p.m.
Generally overcast & cloudy. Light E.N.E. by breeze & airs. Barometer rising. P. A. Paymaster W. G. Sumner, U.S. Navy, received his commission as a Passed Assistant Paymaster in the Navy. At 4:45 Spanish stmr. "Rabat" from Barcelona came in and moored alongside breakwater. Chaplain held evening prayers at 7:00.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Cloudy & pleasant. Light airs from E.N.E.

J. T. Newry
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leffler,
Lieutenant, U.S.N. Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex **Rate,**

At anchor La Guayra Venezuela.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N6xE.	ENE	1			30.26	76	76	75		oc	Cu	0	
2				"	"	1			30.25	78	76	75		bc	"	5	
3				N.E.	"	1			30.25	77	76	75		"	"	3	
4				"	"	1			30.26	77	76	75		"	"	3	
5				"	Calm	0			30.25	77	76	75		"	"	3	
6				"	"	0			30.25	77	76	75		"	cis	4	
7				"	"	0			30.27	76	78	76		"	"	5	
8				"	"	0			30.30	76	78	75		"	Fcu	6	
9				"	"	0			30.30	80	81	77		"	"	5	
10				N6xE.	NE	1			30.30	80	81	77		"	"	4	
11				"	"	1			30.28	80	81	78		"	Cu	3	
Noon.				N.E.	"	1			30.28	80	81	78		"	"	2	

Position at 8 A. M.: Latitude by ... ° ' "
Longitude by ... ° ' "

Position at noon: Latitude by observation ... ° ' "
Longitude by observation ... ° ' "
Latitude by D. R. ... ° ' "
Longitude by D. R. ... ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by alt. Canopus 10 ° 52' "
Longitude by D R. 67 ° 10' 30"

Variation of compass:

Error of compass observed at 4-26 p.m. azimuth & ship head NW¼N. 0° 24' E'ly

Deviation of compass on " " " " " " 2° 6' wly variation used 2° 30' wly

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 1 tons, 820 lbs.

Coal remaining on hand at noon, 318 " 2020 "

P. M.							P. S.										
1			27.7	NE	NE	4			30.28	79	81	77		bc	Cu	3	
2	3	7	25.9	NW½2	"	1.		3/4	30.28	77	81	77	76	"	"	2	
3	1	7	27.6	"	"	4		3/4	30.25	75	77	75	76	"	"	2	
4	3	9	31.5	"	NExE	4		3/4	30.20	76	77	75	76	"	"	3	
5	3	0	34.5	"	"	4	2°-3°	3/4	30.19	76	77	76	75	"	Cu	4	
6	2	7	36.7	"	"	1	3°-4°	1	30.20	75	76	75	75	"	"	4	
7	2	9	38.6	"	"	1	3°-3°	1	30.20	75	75	74	75	"	"	4	
8	2	5	40.9	"	"	1-2	2°-4°	1	30.21	75	76	75	75	"	Cicu	6	
9	2	9	43.8	"	"	1-2	1° 0°	1	30.23	75	76	74	75	"	"	5	
10	2	5	46.3	"	"	1-2	1° 0°	1	30.25	75	76	74	75	"	"	5	
11	2	4	48.3	"	"	1-2	1° 0°	1	30.26	75	76	74	75	"	"	5	
Mid.	2	4	50.7	"	"	1-2	1° 0°	1	30.26	75	76	74	74	"	"	5	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, March 20th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Cloudy to fair. Pleasant. Light E. & N.E'ly airs.

C. M. Jahs
Lieut. U.S.N.

4 to 8 a.m.
Fair, pleasant, and calm. Barometer rising. At 6:00 sent up t'gallant masts, rigged out flying jib-boom, and crossed lights yards.

Raleigh Earle,
Ensign U.S.N.

8 a.m. to meridian.
Cloudy & sultry. Light airs from N.E. Engaged in making preparations for sea during watch. At 9:30 went to quarters for inspection. Followed by setting up exercises. The Commdg. Officer awarded the following punishments to the below-named apprentices of the 3d class: W. H. Holt, E. E. Leonard, J. Hagerty, W. H. Gibbs, O. E. Hunt, J. J. Rooks, J. J. Powers, Jas. Howard and M. Sullivan, 4 hrs extra duty for slowness in obeying orders to go to church; O. F. Hart, 1 day extra duty for lying and stupidity; W. M. Nelson, 2 hrs extra duty for chewing tobacco and spitting on deck; A. F. Campbell, 3 days solitary confinement on bread and water, for abusive language to Master-at-Arms. Tested dropping apparatus for life buoys, and found in good condition. At 11:54 Spanish stmr. "Rabat" left the harbor. At N. 1 spread fires under boilers B & D.

J. Towers
Lieut. U.S.N.

Meridian to 4 p.m.
Cloudy & pleasant. Light airs to light breeze from N.E. At 1:10 got under way, and stood out of La Guayra. Set all sail except main sail, which was gotten later and beat and set at 3:30. Put ship on course, N.W. by N. 4 p.s.c., and put over Sat. log, 22.7, when clear of end of breakwater. At 1:40 uncoupled the propeller, and let fires die down.

C. M. Jahs
Lieut. U.S.N.

4 to 6 p.m.
Fair and damp, hazy. Light N.E. & E'ly breezes and airs. Barometer steady. At 5:15 mustered at quarters. Lost sight of land at dark. In accordance with recommendation of a board of survey, and by order of the Commander, threw overboard 1100 lbs. of flour which contained weevil. Under all sail except main trysail & spanker, and a cruiser ahead of watch.

A. Gleaves
Ensign, U.S.N.

6 to 8 p.m.
Fair, pleasant weather. Light airs from N.E. & E. increasing to light breeze. Ship rolling slightly, max. roll 4°. At end of watch under all plain sail to royals, except spanker, and with main topmast staysail. Sat. log, 40.9.

F. McKenzie, Ensign, U.S.N.

8 p.m. to midnight.
Fair & pleasant. Light N.E. & E'ly airs & breezes. Barometer rose slightly. Max. roll, 10°. At end of watch under same sail as previous watch, on course N.W. by N. 4 p.s.c., Sat. log 50.2

Raleigh Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Lau
Lieutenant, U.S.N. Navigator.

4-98

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Making passage from La Guayra, Ven., to Kingston, Jamaica

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.							P.S.										
1	1	8	52.0	N.W.½N.	E.N.E.	1	2°2°	1	30.22	75	75	75	75	b.c.w.	ci	9	S
2	1	6	53.4	"	"	1	2°2°	1	30.21	75	75	75	75	"	"	9	"
3	1	9	55.3	"	"	1	2°2°	1	30.21	75	75	75	75	b.w.	nim	10	"
4	1	1	57.4	"	"	1	2°2°	1	30.21	75	75	75	75	"	"	10	"
5	2	9	60.3	"	East	1	2°2°	1	30.21	76	75	73	75	b.c.	S.	10	"
6	3	7	64.0	"	"	2	5°2°	¼	30.21	76	74	75	75	"	ci S	8	"
7	4	1	68.1	"	"	2	5°2°	¼	30.24	78	77	75	75	"	"	8	"
8	4	2	72.4	"	"	2	4°2°	¼	30.28	78	78	75	75	"	"	8	"
9	4	3	76.7	"	"	2	4°2°	½	30.29	80	79	75	75	"	"	8	"
10	4	0	80.5	"	"	2	4°2°	0	30.30	81	80	77	76	"	ci cu	5	"
11	3	6	84.1	"	"	2	4°2°	½	30.29	80	79	76	77	"	Fr. cu	6	"
Noon.	4	0	88.1	"	E.x.S.	2	3°3°	½	30.28	78	79	76	77	"	"	4	"

Position at 8 A. M. { Latitude by D.R. 11° 0.13' "N
Longitude by Obs. 67° 33.6 "W

Position at noon: { Latitude by observation 11° 02.5' "N
Longitude by observation 67° 45.18 "W
Latitude by D. R. 11° 20.48 "N
Longitude by D. R. 67° 47.48 "W

Course made good since preceding noon: N 45° W.

Distance made good since preceding noon: 67 miles.

Distance by Log since preceding noon: 66.9 miles.

Current per hour: 1/10 miles, set N 65 E. true.

Position at 8 P. M. { Latitude by alt. "Canopus" 14° 46.6 "N
Longitude by Obs. 68° 7.18 "W

Variation of compass:

{ Error of compass observed at 8:0 A.M. ships head N.W.½N. 0°7' (by) } variation 2°30' Ely.
{ Deviation " " " " " " " " 2°23' (by) }
{ Deviation of compass on 6:00 P.M. ships head N.W.x.N. 1°36' (by) " " 2°30' "
{ Error " " " " " " " " 34' Ely }

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 820 lbs.

Coal remaining on hand at noon, 118 " 1200 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
P. M.																	
1	1	7		N.W.½W.													
	1	8	91.6	N.W.x.N.	East	v	0°3°	0	30.27	78	79	76	77	b.c.	ci cus	4	S
2	2	8	94.4	"	"	1-0	2°2°	0	30.25	78	79	76	77	"	"	4	"
3	2	1	97.5	"	"	v	2°2°	0	30.22	78	79	76	77	"	"	4	"
4	4	0	1.4	"	E.N.E.	v	2°2°	0	30.20	78	79	76	77	"	"	5	"
5	3	9	5.3	"	"	1-3	2°2°	½	30.21	77	78	76	77	"	"	5	"
6	3	5	8.8	"	N.E.x.E.	1-2	2°2°	½	30.21	77	78	76	77	"	"	5	"
7	3	9	12.7	"	"	1-2	2°2°	¼	30.22	77	77	76	77	"	"	5	"
8	4	1	16.8	"	"	v	2°2°		30.25	77	77	76	77	"	"	5	"
9	4	8	21.6	"	"	v	2°2°		30.25	77	77	75	77	"	"	5	"
10	4	8	26.4	N.W.½W.	"	v			30.25	77	77	75	76	"	"	6	"
11	4	6	30.8	"	"	v			30.27	77	76	75	76	"	"	7	"
Mid.	4	3	35.1	N.W.	"	v			30.27	77	76	75	76	"	"	7	"

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, March 21st. , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4 a.m.
Clear with heavy dew. Light airs from E.N.E. On course N.W.½N. during watch. Under fore & main topmast stay sails & all plain sail except spanker. Moon set at 2:00.

J.T. Newman
Lieut. U.S.N.

4 to 8 a.m.
Fair & pleasant. Light breeze from East. Under all sail save main try sail & spanker. On course N.W.½N. p.o.c.

C.M. Fahs
Lieut. U.S.N.

8 am to meridian.
Fair & pleasant. Light breeze from East & E.x.S. Barometer falling slowly. At 9:30 mustered at quarters, after which exercised Divisions as per routine. At 11:15 took in fore topmast stay sail and Lashed up watch; dew off the mainsail. Course N.W.½N. Rigid inspection, 1st 3 hrs of watch. By order of the Commander J.D. McLaughlin, app'd Sea, was released from confinement, his term having expired. The Commander assigned the following punishments: R. Dalzell, app'd Sea, Chopping, 4 hrs extra duty; E.H. Knowlton and B. Dollard, App'd Sea, disorderly at mess, 4 hrs extra duty; E.J. Dolan, app'd Sea, sleeping on watch, two days deprivation of liberty on next port.

J.T. Newman
Engr Lieut

noon to 4 p.m.
Clear & pleasant. Light airs & breezes from East & E.N.E. At 12:30 changed course to N.W.x.N. At 12:35 set fore topmast stay sail. At 1:16 Called from & away all boats. Boats reported ready as follows: 1st cut. 1:27, 2d cut. 1:23½, 3d cut. 1:20, 4th cut. 1:23, N.B. 1:22. Sounded secure at 1:30. Exercised divisions of boys at routine drills. Filled 1:04 6 pdr. Saluting charges. At end of watch, on course N.W.x.N. Lat. log. 1:4. Ship under all plain sail to royals, except spanker, and with main topmast stay sail. Barometer falling

I.M. Bunnell
Ensign U.S.N.

4 to 6 p.m.
Fair & pleasant. Light E.N.E'ly and N.E.x.E'ly airs & breezes. Barometer steady. Hauled 2°. At 5:11½ sounded to five quarters, divisions ready as follows: 1st, 1½ min., 2d, 2½ min., 3d, 1 min.; 4th 3½ min.; Powder, 2½ min., Navigators, 2 min.; all divisions ready in 3½ min. At 5:45 held evening prayers. At end of watch under same sail as previous watch, on course N.W.x.N., p.o.c. log 6.8.

Ralph Earle
Ensign U.S.N.

6 to 8 p.m.
Clear & pleasant. Bright moon light. Light airs & breezes from N.E.x.E. On course N.W.x.N., and under same sail as during last watch.

J.T. Newman
Lieut. U.S.N.

8 p.m. to midnight.
Fair & pleasant. Heavy dew. Light breeze from N.E.x.E. Sail same as preceding watch. Course N.W.x.N., p.o.c. At 9:00 sighted Point Loma Light, bearing N.¼W., 20 miles. At 9:00 changed course to N.W.½. At 9:52 Point Loma bore abeam at 11:22 Harbor Beacon, 6.9 miles distant. At 11:24 changed course N.W. (p.o.c.) Lat. log 32.2.

C.M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

F.F. Lafferty
Lieut. U.S.N. Navigator.

4-00

LOG of the UNITED STATES Training Ship Essex, Rate,

Making passage from La Guayra, Ven., to Kingston, Jamaica.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in Tenths	State of the Sea.
A. M.																	
1	4	1	39.2	NW	NbxE	2	2-1	1/4	30.25	76	76	74	77	bc	cu	4	S
2	3	5	42.7	"	"	2	2-1	1/4	30.24	76	76	74	77	"	"	7	"
3	3	2	45.9	"	"	2	2-1	1/4	30.23	76	76	74	77	"	"	8	"
4	1/2	2/2	47.1/49.3	"	"	2	2-1	1/4	30.22	76	76	75	77	"	"	8	"
5	0	7/4	50.0	NW½N	"	2	3-1	0	30.23	77	76	75	77	"	"	8	"
6	3	6	56.4	"	"	2	3-1	0	30.24	77	77	75	77	"	cicu	6	"
7	4	2	60.6	"	ExN6	2	2-0	0	30.24	78	77	76	77	"	cu	7	"
8	4	0	64.6	"	"	2	2-0	1/4	30.29	80	79	76	77	"	"	8	"
9	4	6	69.2	"	"	3	2-0	1/4	30.27	80	79	76	77	"	"	8	"
10	4	3	73.5	"	"	3	2-0	1/4	30.27	81	82	76	77	"	"	8	"
11	4	7	78.2	"	"	3	2-0	1/4	30.31	81	80	76	77	"	"	6	"
Noon.	5	2	83.6	"	East	4	2-0	1/4	30.29	80	79	76	77	"	"	7	"

Position at 8 A. M. { Latitude by D.R. 12° 21' 0" N Temp. of Mag.
Longitude by Alt. 68° 45' 45" W Fore 80-78
Aft 77-77.

Position at noon: { Latitude by observation 12° 36' 0" N
Longitude by observation 68° 58' 45" W
Latitude by D. R. 12° 36' 36" N
Longitude by D. R. 68° 45' 18" W

Course made good since preceding noon: N 44° W.

Distance made good since preceding noon: 103 miles.

Distance by Log since preceding noon: 95¼ miles.

Current per hour: 7/10 miles, set West true.

Position at 8 P. M. { Latitude by Alt. "Sirius." 13° 5' 24" N.
Longitude by " 69° 24' 0" W

Variation of compass: 7:50, azimuth 20 Ships head NW½W.

Error of compass observed at { 7:50 " " " " 7° 0' E'ly
11:56 " " " " 2° 23' W'ly } var. used 2° 20' E'ly

Error " " " " 1° 49' W'ly } " " 2° 50' "

Deviation of compass on " " " " " "

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 118 " 800 "

P. M.							P. S.										
1	5	3	88.9	N.W.½N	East	4	2-0	1/4	30.25	80	80	76	77	bc	cu	6	S
2	5	1	94.0	"	"	4	2-0	1/4	30.26	80	80	76	77	"	"	6	"
3	5	0	99.0	"	"	4	2-0	1/4	30.23	80	79	76	77	"	"	6	"
4	4	9	3.9	"	"	3	2-0	1/4	30.27	80	79	76	77	"	"	6	"
5	4	5	8.4	"	"	3	2-0	1/4	30.24	80	79	76	77	"	"	6	"
6	2	6	11.0	"	ExN.	3	2-0	-	30.23	80	79	76	77	"	"	6	"
7	5	6	16.6	"	ExN6	3	2-0	-	30.24	78	78	76	77	"	"	6	"
8	6	4	23.0	"	"	3	3-0	1/4	30.24	78	77	76	77	"	"	6	"
9	6	3	29.3	"	"	4	3-0	1/4	30.27	77	78	75	77	"	Fra	7	"
10	5	9	35.2	"	"	3	3-0	1/4	30.27	77	78	75	76	"	"	7	"
11	6	0	41.2	"	NExE	4	3-0	1/2	30.26	77	78	75	76	bcp.	cu	6	"
Mid.	6	0	47.2	"	"	4	3-0	1/4	30.26	77	78	75	76	b.c	cu	6	"

under the command of Commander Frank Courtis, , U.S. Navy,

Wednesday, March 22. , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences this 4 a.m.
Fair to clear & pleasant. Light - NE x E by breeze. Barometer falling. At 1:30 sighted little Curacao light, broad on bow, stat. log 3 ft. At 1:30 lost sight of Curacao light on starboard quarter. At 2:45 little Curacao light was abeam, stat. log, 45.3, light distant 7.8 miles. At 3:18 changed course to NW½W ½ W. On course at end of watch, under fore & main top mast stay sail, and all plain sail except spanker. Sounded at 2:45 ft.

W. Buckley
Ensign, U.S.N.

4 to 8 a.m.
Fair, pleasant weather. Light breezes from NE x E and E NE. At daybreak, sighted Curacao Isld. on port bank, and Bonaire Isld. on starboard quarter. Ships under all plain sail to royal, except spanker, and with main topmast stay sail. At end of watch, on course, NW½W. stat. log 62.6. Mag. var. 2°.

F. W. Bennett. Ensign, U.S.N.

8 am to noon.
Fair & pleasant. Gentle to moderate E NE and E by breezes. Barometer falling. Mag. var. 2°. At 9:30 mustered at quarters, after which held division drills as per routine. Serving out clothing and small stores. Commdg. Officer assigned the following punishments: C. E. Leonard, app. 3 cl., not manning bilge pump when ordered, 4 hrs. extra duty; J. Guilliam, app. 3 cl., making topsail buckle fast to rigging, 4 hrs. extra duty; E. A. Child, app. 3 cl., smoking, 8 hrs. extra duty; C. H. Sechrist, app., Chewing tobacco, 8 hrs. extra duty; J. J. Moran, app. 3 cl., obstructing obeying orders, 4 hrs. extra duty; W. Zackary, messman, insolent to W. R. Steward, and noisy in pantry, 2d class. At end of watch under same sail as previous watch, on course, NW½W, p.o.c., stat. log 83.6.

Roger Eaves
Ensign, U.S.N.

noon to 4 p.m.
Fair & pleasant. Moderate breeze from East. Serving out clothing and small stores, and and cleaning out & painting inside of boats. On course NW½W during watch and under same sail as previous watch.

F. Dewey
Lieut. U.S.N.

4 to 6 p.m. Fair & pleasant. Gentle breeze from East to E x N. Sail same as preceding watch. Course NW½W, p.o.c. At 4:35 shortened sail to topsails, and at 4:45 commenced to swing ship, hauling in stat log at 5:00 reading 8.4, and finished swinging at 5:20. At 5:38 put ship on course, put over stat. log, and made sail as before swinging ship.

C. W. Fahs
Lieut. U.S.N.

6 to 8 p.m.
Fair & pleasant. Gentle E NE by breeze. Barometer steady. At end of watch on course NW½W, p.o.c., under same sail as at end of preceding watch. Ship heeled about 20 to port.

W. Buckley
Ensign, U.S.N.

8 p.m. to midnight.
Fair, pleasant, with light passing showers third hour. Gentle to moderate breezes from E NE & NE x E. Ships under all plain sail to royal except spanker, and with main top-mast stay sail. Mag. var 3°. At end of watch on course NW½W, stat. log, 47.7

F. W. Bennett Ensign, U.S.N.

Examined and found to be correct.

E. F. Lau
Lieut & Navigator, U.S.N.

4-265

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from La Guayra, Vens, to Kingston, Jamaica

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.							P. S.										
1	6	0	532	N.W.½N.	NE×E	4	4-0	1/8	30.25	77	79	78	77	be	cu	5	S
2	5	8	590	"	"	4	3-0	1/8	30.24	77	79	75	77	"	"	5	"
3	5	5	648	"	"	4	3-0	1/8	30.24	77	79	75	77	"	"	5	"
4	5	7	70.2	"	"	4	3-0	1/8	30.23	77	76	75	77	"	"	6	"
5	5	2	75.4	"	"	3	3-0	1/8	30.24	77	76	74	76	"	"	8	"
6	5	0	80.4	"	"	3	3-0	1/8	30.25	77	76	74	77	"	"	7	"
7	4	6	85.0	"	"	3	2-0	1/4	30.26	78	79	78	77	be pq	cu	6	"
8	4	7	89.7	"	"	2.5	2-0	1/4	30.30	79	79	75	77	be	cu	6	"
9	4	9	94.6	"	"	3	2-0	1/4	30.31	80	79	75	77	"	Fr cu	6	"
10	4	9	99.5	"	"	3	2-0	1/4	30.31	80	79	75	77	"	"	6	"
11	4	0	3.5	"	"	3	2-0	1/4	30.31	80	79	76	77	"	"	6	"
Noon.	5	1	8.6	"	"	3	2-0	1/4	30.29	79	79	75	78	"	"	6	"

Position at 8 A. M. { Latitude by D.R. 18°57'24" N / Longitude by Obs. 70°26' " W

Temp. of Mag. Fore 80-78 Aft 77-77

Position at noon: { Latitude by observation 14°6'45" N / Longitude by observation 70°38'16" W / Latitude by D. R. 14°13' " N / Longitude by D. R. 70°19'45" W

Course made good since preceding noon: N.47°W.

Distance made good since preceding noon: 137 miles.

Distance by Log since preceding noon: 125 miles.

Current per hour: 8/10 miles, set S.71°W. true.

Position at 8 P. M. { Latitude by D.R. 14°34'51" N / Longitude by Obs. 71°7'24" W.

Variation of compass: 7:54 a.m. 2°30'E'ly at 5:28 p.m., 2°20'E'ly.

Error of compass observed at 7:54 a.m. Ships Head N.W½N. 0°28'E'ly. At 5:28 p.m. Ships Head N.W½N. 0°27'E'ly.

Deviation of compass on " " " " " 2°2'W'ly. " " " " " 1°53'W'ly.

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 118 " 400 "

P. M.																	
							P. S.	1/4									
1	4	6	13.2	N.W½N.	East	3	2-0	1/4	30.25	78	80	75	78	be	cu cu	6	S
2	4	3	17.5	"	"	3	2-0	0	30.23	79	80	76	78	"	"	6	"
3	4	6	22.1	"	E×S	3	3-0	0	30.21	81	81	76	78	"	cu	6	"
4	4	5	26.6	"	"	3	1-0	1/4	30.21	80	80	76	78	"	"	6	"
5	4	4	31.0	"	East	3	1-0	1/4	30.21	79	80	76	78	"	"	7	"
6	4	1	35.1	"	E×N	3	1-0	1/8	30.21	78	79	75	77	"	cu cu	5	"
7	4	8	39.9	"	"	3	2-0	1/8	30.22	78	78	75	77	"	"	8	"
8	4	8	44.7	"	"	3	2-0	0	30.24	78	78	75	77	"	"	7	"
9	4	6	49.5	"	"	2	1-6	0	30.25	78	78	75	77	"	"	7	"
10	4	4	53.7	"	"	2	1-0	0	30.25	76	77	76	77	"	"	7	"
11	3	9	57.6	"	"	2	1-0	0	30.26	76	77	74	77	"	"	6	"
Mid.	3	7	61.3	"	"	2	1-0	0	30.26	76	77	74	77	"	"	4	"

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, March 23, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4:00 a.m.
Fair & pleasant. Moderate NE×E by breeze. Barometer falling. Moon set at 3:25. Maximum roll, 4°. At end of watch under plain sail to royals, with exception of spanker, and main topmast staysail, on course NW½N, p.s.c., log 70.2.

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m. Fair to clear. Gentle breeze from NE×E. At 6:30 took in royal & flying jib to main royall, setting them again at 6:50. On course, NW½N, and under same sail as previous watch.

J. F. Dorry
Lieut. U.S.N.

8 a.m. to meridian.
Fair and pleasant. Gentle breeze from NE×E. At 9:30 inspected at quarters. Exercised divisions at routine drills. By order of the Commander, R. H. Tolman, Yeo., was this day disrated to seaman, by reason of incompetency. The Commander awarded the following punishments: Coxe, 6.7. App. 3d, absent from muster formation, 4 hrs extra duty. Page, W. J. app. 3d, slow in manning bilge pump, 4 hrs. extra duty. Winton, J.C. app. 3d, asleep on gun deck, 16 hrs. extra duty. Cathcart, J.O. App. 3d, trifling with recoveberat drill, 4 hrs. extra duty. At 11:24 set clock back 6 minutes. All sail set save main try sail.

C. M. Fahs
Lieut. U.S.N.

meridian to 4 p.m.
Fair & pleasant. Gentle breeze from East to E.N.E. Barometer falling. At 1:10 took in main sail and set main try sail. Unbent and doused main sail below. Hoisted smoke stack, and at 2:45 started fires under boiler "E". At 3:30 hauled down and stowed fore topmast staysail. Exercised apprentices as per routine. On course at end of watch, under all sail save fore & main staysail & main sail.

Ensign, U.S.N.

4 to 8 p.m. Fair, pleasant weather. Gentle breeze from East & E.N.E. At 5:00 exercised at sail drill. At 5:45, Chaplain read prayers. At end of watch, on course, NW½N, pat. log 95.1, ship under all plain sail to royals except main sail, and with main try sail and main lof mast staysail. Distilling.

6 to 8 p.m.
J. M. Bennett, Ensign, U.S.N.

Fair & pleasant. Gentle ENE'ly breezes. Barometer rising. Moonlight. Max. roll 2° West to gloaming quarters at 7:37, divisions reporting ready as follow: 1st 3 min., 2d 5½ min., 3d 3½ min., 1st 3½ min., Powder 3½ min., Nav. 4½ min., Total time 6½ min. Secured at 7:43. At end of watch under same sail as previous watch, on course, NW½N, p.s.c., log, 44.7. Distilling.

Ralph Earle,
Ensign, U.S.N.

8 p.m. to midnight.
Fair to cloudy. Light breeze from E.N.E. Bright moonlight. On course NW½N, and under same sail as previous watch. Distilling.

J. F. Dorry
Lieut. U.S.N.

Examined and found to be correct.

T. T. Perfer
Lieutenant, U.S.N. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex **Rate,**

Making passage from La Guayra, Ven. to Kingston, Jamaica.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																
1	3	8	65.2	NW½N.	E.N.E.	4	2-6	0	30.21	77	78	75	77	b.c.	cu.	6	8
2	3	8	68.9	"	"	4	2-6	0	30.20	77	76	75	77	"	"	6	"
3	3	5	70.4	"	"	4	2-6	0	30.19	77	78	75	77	"	"	7	"
4	3	8	76.2	"	"	4	2-1	0	30.19	77	78	75	77	"	"	8	"
5	4	3	80.5	"	"	4	3-0	0	30.20	76	77	75	77	"	"	7	"
6	4	7	85.2	"	"	4	4-0	0	30.21	76	76	75	77	"	c.cu	7	"
7	4	8	90.0	"	"	3	4-0	0	30.25	76	76	75	77	"	"	6	"
8	4	5	94.5	"	"	3	3-0	0	30.26	79	79	75	77	"	"	6	"
9	3	9	98.4	"	"	4	3-0	0	30.28	79	79	75	77	"	"	6	"
10	4	0	2.4	"	"	4	3-0	0	30.28	79	79	76	77	"	"	6	"
11	3	4	5.8	"	"	4	2-0	0	30.28	80	80	76	78	"	"	7	"
Noon.	3	6	9.4	"	East	4	2-0	0	30.26	80	80	76	78	"	7.cu	7	"

Position at 8 A. M. { Latitude by D.R. 15° 13' 45" N
Longitude by Obs. 71° 46' " W

Temp. of Mag. For. 80-78 77-77

Position at noon: { Latitude by observation 15° 13' 8" N
Longitude by observation 71° 56' 6" W
Latitude by D. R. 15° 24' 51" N
Longitude by D. R. 71° 43' 46" W

Course made good since preceding noon: N 48° W

Distance made good since preceding noon: 100 miles.

Distance by Log since preceding noon: 100.8 miles.

Current per hour: 7/10 miles, set S 45° W true.

Position at 8 P. M. { Latitude by D.R. 15° 30' 42" N
Longitude by Obs. 72° 16' 18" W

Variation of compass: 8:01, a.m. Sr. NW½N, 2° 15' E'ly 5:32 p.m. Sr. NW½N, 2° 20' E'ly

Error of compass observed at " 8:0 " " 2° 37' E'ly " " " " 2° 49' E'ly

Deviation of compass at 8:01, Sr. NW½N, 1° 38' W'ly " " " " 2° W'ly

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 1 tons, 680 lbs.

Coal remaining on hand at noon, 116 " 1960 "

P. M.																
1	3	5	12.9	N.W.½N.	East	4	1-0	0	30.23	79	79	76	78	b.c	F.cu	7	S
2	3	3	16.9	"	E×S.	4	1-0	0	30.21	79	79	76	78	"	"	7	"
3	2	6	17.5	"	"	4	0	0	30.21	79	80	76	78	"	"	7	"
4	3	4	20.7	"	"	3	0	0	30.19	79	80	76	78	"	"	6	"
5	1/2	7/2	22.4 / 24.1	"	ENE	4	0	0	30.20	79	78	76	78	"	"	6	"
6	2	1	26.2	"	"	4	0	0	30.20	79	78	76	78	"	"	6	"
7	2	8	29.0	"	"	4	0	0	30.21	79	78	76	78	"	"	6	"
8	1/2	5/9	30.5 / 31.9	"	"	4	0	0	30.21	79	78	76	77	"	"	7	"
9	2	4	34.3	"	"	1	0	0	30.24	79	78	76	77	"	"	7	"
10	2	5	36.8	"	"	1	0	0	30.24	79	78	76	77	"	"	7	"
11		5	37.0	"	"	1	0	0	30.24	78	78	76	77	"	"	7	"
Mid.	1	0	37.2	"	"	1	0	0	30.24	78	78	76	77	"	"	7	"

under the command of Commander Frank Courtis, , U. S. Navy,

Friday, March 24th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4:00 a.m.
Fair & pleasant. Bright moonlight. Light breeze from E.N.E. Course, N.W½N. 7 g.c. Under all plain sail save fore topmast stay sail and main do.

C. M. Fahs
Lieut. U.S.N.

4 to 8 a.m. Fair & pleasant. Light to gentle E.N.E'ly breeze. Barometer rising. At 5:40 set fore-topmast stay sail. On course at end of watch, with all sail set save main sail. Distilling.

A. Griffin
Ensign U.S.N.

8 a.m. to meridian.
Clear pleasant weather. Light breeze from E.N.E & East. At 9:30 mustered at quarters, no absentees. Exercised at Company & Battalion drill. By direction of the Commanding officer the following punishment was assigned: R. Dalzell, app. 3d. being detailed below after his watch was on deck, 3 days solitary confinement on bread and water. R. Dalzell, app. 3d. was confined in accordance with the above. At end of watch, on course, N.W½W., pat. log 9¢, under all sail but main sail. Vessel very steady.

J. M. Bennett, Ensign U.S.N.

meridian to 4 p.m.
Clear & pleasant. Light to gentle East and E. & S'ly breezes. Barometer falling. Max. Fall 10. At 12:50 took in spanker. From 1:00 to 2:20, exercised apprentices at fire quarters. Tested magazine flood cocks, and found them in good condition. Cleared bilges. Distilling. At end of watch under all sail except main sail & spanker, on course, N.W½N. pat. log 20.7

Ralph Earle, Ensign, U.S.N.

4 to 6 p.m.
Fair and very pleasant. Light breeze from E.N.E. On course N.W½N. during watch. From 5:00 to 5:50 exercised in short swing, making, and furling sail. At 5:55 the Chaplain held evening prayers. At end of watch under all sail except main sail & spanker. Distilling.

J. F. Terry
Lieut. U.S.N.

6 to 8 p.m.
Fair & pleasant. Light E.N.E'ly breeze. Course, N.W½N, pat. log. All sail set, save main sail & spanker. Distilling.

C. M. Fahs
Lieut. U.S.N.

8 p.m. to midnight.
Clear pleasant weather. Light airs from E.N.E. Ship under all sail except main sail & spanker. At end of watch on course, N.W½N. pat. log, 37.2.

J. M. Bennett. Ensign U.S.N.

Examined and found to be correct.

E. F. Lake
Lieutenant U.S.N. Navigator.

4-285

LOG of the UNITED STATES Training Ship Essex Rate,

Making passage from La Guayra, Ven., to Kingston, Jamaica

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	2	0	38.3	NW½N	E.N.E.	2	—	—	30.23	76	77	75	77	be	cu	7	S
2	2	4	40.7	"	"	2	—	—	30.22	76	77	75	77	"	"	7	"
3	2	0	42.7	"	"	2	—	—	30.21	76	77	75	77	"	"	6	"
4	1	5	43.9	"	"	2	—	—	30.21	77	77	74	77	"	"	7	"
5	1	5	44.0	"	NE×E	2	—	½	30.22	77	77	74	77	"	"	9	"
6	1	9	45.8	"	ENE	2	—	¼	30.23	77	77	75	77	"	cicu	6	"
7	4	4	48.2	"	"	1	—	¼	30.26	80	78	75	77	"	"	6	"
8	2	3	50.4	"	"	1	—	¼	30.26	79	79	75	78	"	cu	7	"
9	1	2	51.8	"	"	1	—	½	30.30	79	79	75	78	"	"	7	"
10	2	0	53.8	"	"	1	—	—	30.30	80	80	75	78	"	"	7	"
11	2	0	55.7	"	"	1	—	—	30.29	80	80	76	78	"	"	7	"
Noon.	2	4	57.7	"	"	1	—	—	30.29	80	80	76	78	"	"	6	"

Position at 8 A. M.: Latitude by D. R. 15° 48' 39" N
Longitude by Obs. 72° 40' 00" W

Position at noon: Latitude by observation 15° 36' 46" N
Longitude by observation 72° 45' 12" W
Latitude by D. R. 15° 54' 32" N
Longitude by D. R. 72° 31' 6" W

Course made good since preceding noon: N 47° W.

Distance made good since preceding noon: 64 miles.

Distance by Log since preceding noon: 56.5 miles.

Current per hour: 6/10 miles, set N 81° W true.

Position at 8 P. M.: Latitude by D. R. 16° 11' 24" N
Longitude by Obs. 72° 2' 00" W

Variation of compass: 7.40 a.m. 2° 15' E. by 5:40 p.m. 2° 18' E. by.

Error of compass observed at 7.40 a.m. S.E. NW½N, 0° 35' E. by 5:40 p.m. S.E. NW½N, 1° 40' W. by

Deviation of compass on 7.40 p.m. " " 0° 23' " 5:40 " " " 1° 53' "

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 1 tons, 890 lbs.

Coal remaining on hand at noon, 115 " 1070 "

P. M.																	
1	1	5	59.2	NW½N	E×N	1	—	—	30.26	01	81	77	78	b.c.	cicu	5	S
2	2	0	61.5	"	"	1	—	—	30.27	81	82	77	79	"	"	5	"
3	2	5	64.1	"	"	2	—	—	30.21	78	82	78	79	"	F.cu.	7	"
4	2	7	66.8	"	"	2	—	—	30.20	79	82	78	79	"	"	8	"
5	2	7	69.5	"	"	2	—	—	30.20	79	82	78	79	"	"	8	"
6	2	0	71.5	"	"	2	—	—	30.20	79	80	78	79	"	"	8	"
7	2	4	73.9	"	SE×E	2	—	—	30.21	79	79	78	79	"	"	8	"
8	3	0	76.6	"	"	2	—	—	30.24	79	79	77	79	"	"	8	"
9	2	7	79.3	"	E.S.E.	2	—	—	30.25	78	78	75	78	b.	Nac	10	"
10	2	4	81.7	"	"	2	—	—	30.25	76	78	75	76	b.c.	F.cu	9	"
11	2	6	84.3	"	East	2	—	—	30.26	78	78	75	78	"	"	8	"
Mid.	2	8	87.1	"	"	2	—	—	30.25	78	78	75	78	"	"	8	"

4—265

under the command of Commander Frank Courtis, , U. S. Navy,

Saturday, March 25th, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4:00 a.m. Fair & pleasant. Light E N E'ly breezes. Barometer falling. Ship steady. Moonlight. At end of watch under all sail except mainsail & spanker, on course N W ½ N, p.s.c., log 45.3 Distilling

Ralph Earle,
Ensign, U.S.N.

4 to 8 a.m. Clear & pleasant. Light breeze from N E ½ E. Moon set at 4:40. Under same sail as during previous watch, and on course N W ½ N. Distilling

J. F. Dorry
Lieut. U.S.N.

8 am. to meridian. Clear & warm. Light airs from E.N.E. By order of the Commander, released A. F. Campbell, app. 3d cl. from confinement, and restored him to duty. Aired bedding. By order of the Commander, G. E. Pollard, app. 3 cl., was placed in 5 days solitary confinement on bread and water, for using vile and profane language toward an apprentice. The following punishments were awarded by the Commander: J. D. Hew, app. 3d cl., as keeper life buoy watch, reduced to 4th class; F. S. Sanborn, app. 3d cl., losing Govt. property overboard, reduced to 5th class; G. J. Hargraves, fooling with ships bell, 4 hrs. extra duty; N. Talbot, app. 3 cl., and J. H. Roach, app. destroying Govt. Property, extra duty until further ordered. Said, same as during preceding watch. Course N W ½ N (p.s.c.). Distilling.

C. M. Fahs
Lieut. U.S.N.

meridian to 4 p.m. Fair, pleasant weather. Light airs & breezes from E & N. At 1:35 set spanker. At end of watch, on course N W ½ N, dist. log 66.8 under all sail except mainsail. Distilling.

W. M. Bennett, Ensign, U.S.N.

4 to 6 p.m. Clear & pleasant. Light E & N'ly breezes. Barometer steady. At 5:00 exercised at sail drill. At 5:45 chaplain held evening prayers. At end of watch, under same sail as previous watch, on course N W ½ N, p.s.c., dist. log, 71.5. Distilling.

Ralph Earle,
Ensign, U.S.N.

6 to 8 p.m. Clear & pleasant. Bright moonlight. At 6:40 the wind veered to E & E. Took in fore & main topmast staysail & spanker. On course N W ½ N. Distilling.

J. F. Dorry
Lieut. U.S.N.

8 pm. to midnight. Clear & pleasant. Bright moonlight. Light breeze from E.S.E. to East. Course N W ½ N p.s.c. Under all sail save fore & main t'gallant staysail, mainsail, & spanker. Stopped distilling at midnight.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

Lieutenant U.S. Navy, Navigator.

4—200

LOG of the UNITED STATES Training Ship Essex Rate,

Making passage from La Guayra, Ven., to Jamaica, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in Tenths.	State of the Sea.
A. M.																	
1	2	4	89.5	NW½N.	East	2	–	–	30.25	75	75	74	78	b.c.	cu	7	S
2	1	9	91.4	"	"	2	–	–	30.25	75	75	74	78	"	"	6	"
3	2	1	93.5	"	"	2	–	–	30.25	75	75	74	78	"	a.cu	5	"
4	3	1	96.6	"	"	2	–	–	30.25	75	75	74	78	"	"	6	"
5	3	4	1000	"	ENE	3	–	–	30.25	75	75	74	78	"	cu.	6	"
6	3	4	103.4	"	East	3	–	–	30.26	77	75	74	78	"	"	7	"
7	3	3	6.7	"	"	3	–	–	30.29	78	78	75	78	"	"	7	"
8	3	6	10.3	"	"	3	–	–	30.30	78	78	75	78	"	"	7	"
9	3	5	13.8	"	"	3	–	–	30.33	80	80	76	78	"	"	6	"
10	3	7	17.5	"	"	3	–	–	30.35	81	81	76	78	"	"	7	"
11	4	0	21.5	"	"	3	–	–	30.35	81	81	76	78	"	"	7	"
Noon.	4	0	25.5	"	"	3	–	–	30.35	81	82	76	78	"	"	7	"

Position at 8 A. M.: Latitude by D. R. 16 0 37' 24" N.
Longitude by Obs. 73 0 33' " W

Position at noon: Latitude by observation 16 0 45' 48" N
Longitude by observation 73 0 40' 10" W
Latitude by D. R. 16 0 49' 34" N
Longitude by D. R. 73 0 30' 0" W

Course made good since preceding noon: N 48° W.

Distance made good since preceding noon: 74 miles.

Distance by Log since preceding noon: 68 miles.

Current per hour: 5/10 miles, set S. 73° W. true.

Position at 8 P. M.: Latitude by D. R. 17 0 5' " N
Longitude by Obs. 74 0 7' 21" W

Variation of compass: 7:40 a.m. S.H. NW½N. 2°15' E'ly. 5:52 p.m. S.H. NW. 2°15' E'ly.

Error of compass observed at 7.40 a.m. 20' w'ly. 5:52 p.m. 14° E'ly

Deviation of compass on " " 2°35' " " " 2° w'ly

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, tons, 1100 lbs.

Coal remaining on hand at noon, 114 " 200 "

	P. M.																
12.°	12.30	1	9	37.4	NW½W.	E.S.E.	3	–	–	30.32	82	81	77	78	b.c.	cu	8	
	1	1	7	29.1	N.W.													
	2	3	4	32.5	"	East	3	–	–	30.31	82	81	77	78	"	"	9	
	3	3	5	36.0	"	"	3	–	–	30.29	81	81	77	78	"	"	8	
	4	3	3	39.0	"	"	3	–	–	30.29	81	80	77	78	"	"	8	
	5	3	2	42.5	"	"	3	–	–	30.28	81	80	77	78	"	c.u	7	
	6	3	1	45.6	"	"	3	–	–	30.28	79	79	75	78	"	a.cu	6	
	7	3	5	49.1	"	"	3	–	–	30.29	79	79	75	78	"	cu	9	
	8	4	0	53.1	"	"	3	–	–	30.31	79	79	75	78	"	"	9	
	9	4	6	57.7	NW.N.W.	"	3	–	–	30.33	78	77	74	78	"	"	8	
	10	3	7	61.4	"	"	3	–	–	30.33	78	77	74	78	"	"	8	
	11	2	4	62.7	"	"	2	–	–	30.34	78	77	74	78	"	"	8	
	Mid.	3	3	66.0	"	"	2	–	–	30.36	78	77	74	78	"	"	7	

4—265

under the command of Commander Frank C Curtis, , U. S. Navy,

Sunday, March 26th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4:00 a.m.
Fair pleasant weather. Light breezes from East. At end of watch on course, N.W½N. pst. log 96.6, under jib, flying jib, main trysail, and all square sail except mainsail.

W.M. Bunnell Ensign, U.S.N.

4 to 8 a.m.
Clear and pleasant. Gentle E.N.E'ly to E'ly breezes. Barometer rising. Moon set at 5:10. At 5:30, set fore and main topmast staysails, and spanker. At end of watch under all sail except mainsail, on course, N.W½N, p.s.c. log 10.3

Ralph Earle, Ensign, U.S.N

8 am to meridian.
Clear and very pleasant. Gentle breeze from East. At 9:30, the Commanding Officer inspected the ship and crew at quarters. At 10:15 the Chaplain held Divine Service. On course, N.W½N. during watch. At 11:00 set clock back 4 minutes. The Commdg. Officer awarded the following punishment: A. Talbot, apr'd, 4 hrs extra duty, for disorderly at muster formation. Under all sail except mainsail.

T. F. Hunt Lieut U.S.N.

meridian to 4 p.m.
Clear & pleasant. Gentle breeze from E.S.E to East. At 12:30 changed course from N.W½N, p.s.c, to N.W. p.s.c. At 1:30 held Divine Service. All sail set, save mainsail, and main topmast staysail.

C. M. Fahs Lieut U.S.N.

4 to 6 p.m.
Clear pleasant weather. Gentle breezes from East. At 5:45, the Chaplain read prayers. At end of watch, on course, N.W, pst. log 45.6. Ship under all plain sail to royals, & apt mainsail, and with main trysail.

W.M. Bunnell Ensign, U.S.N.

6 to 8 p.m.
Clear & pleasant. Gentle E'ly breezes. Barometer rising. Moon light. At end of watch under same sail as previous watch, on course, N.W. p.s.c., log 53.1.

Ralph Earle Ensign, U.S.N.

8 p.m. to midnight.
Clear, pleasant. Bright moon light. Light to gentle breeze from East. At 8:30 pst log reading 54.8, changed course to N.N.W. Under all sail except main topmast staysail and mainsail.

T. F. Hunt Lieut U.S.N.

Examined and found to be correct.

E. F. Qualtrough Lieutenant, U.S. Navy, Navigator.

4-865

LOG of the UNITED STATES Training Ship Essex Rate,

Making passage from La Guayra, Ven., to Kingston, Jamaica

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	2	69.2	W.N.W	East	3			30.38	79	78	75	78	be	Fcu	8	S
2	3	6	72.8	"	E x S	3			30.33	78	78	75	79	"	"	8	"
3	3	4	76.2	"	"	3			30.32	78	78	75	79	"	acu Fcu	6	"
4	3	4	79.6	"	"	3			30.31	78	78	75	79	"	"	7	"
5	3	7	83.3	"	"	3			30.32	77	76	73	78	"	acu	6	"
6	4	1	87.4	"	"	3			30.34	76	76	73	78	"	cu	6	"
7	4	1	91.5	"	"	3			30.36	78	78	74	78	"	"	6	"
8	4	5	96.0	"	"	3			30.39	82	78	74	78	"	"	6	"
9	4	3	100.1	"	"	4			30.42	82	79	75	78	"	Fcu	6	"
10	3	1	4.4	"	"	4			30.42	83	82	75	79	"	"	6	"
11	4	0	8.4	"	"	4			30.42	80	82	76	79	"	"	8	"
Noon.	4	4	12.8	"	"	4			30.42	82	82	77	79	"	"	8	"

Position at 8 A. M.: Latitude by D. R. 17 °20 '48 "N
Longitude by Obs. 78 °49 '45 "W

Position at noon: Latitude by observation 77 ° 29' 0 "N
Longitude by observation 75 ° 5' 45 "W
Latitude by D. R. 17 ° 28' 12 "N
Longitude by D. R. 75° 0' 46 "W

Course made good since preceding noon: N 62 W.

Distance made good since preceding noon: 97 miles.

Distance by Log since preceding noon: 88.4 miles.

Current per hour: 2/10 miles, set N 80° W. true.

Position at 8 P. M.: Latitude by Obs. 17°38 '46 "N
Longitude by Obs. 75°26 '40 "W

Variation of compass: 7:45 a.m. 2:20 E'ly. 5:29 p.m. 2:36 E'ly.

Error of compass observed at S.H. W.N.W. 5½ wly S.H. W.N.W. 11 wly

Deviation of compass on " " 3°14' E'ly. " " 2°36 W'ly

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 21200 "

Coal consumed during the preceding 24 hours, tons, 1100 lbs.

Coal remaining on hand at noon, 114 " 200 "

P. M.																	
1	3	5	16.3	WNW	ESE	3			30.40	85	84	77	79	b.c.	cu.	4	S
2	3	6	19.9	"	"	3			30.38	84	83	77	79	"	"	7	"
3	3	1	23.0	"	"	3			30.36	84	83	77	79	"	"	7	"
4	2	9	25.9	"	"	3			30.35	84	83	77	79	"	"	7	"
5	2	4	28.3	"	"	2			30.35	84	82	77	79	"	"	7	"
6	2	7	31.0	"	"	2			30.35	81	80	77	79	"	"	7	"
7	2	5	33.5	"	East	2			30.36	80	79	75	79	"	"	6	"
8	2	9	36.4	"	"	2			30.37	79	79	74	79	"	"	6	"
9	3	0	39.4	NW x W	"	2			30.37	79	78	74	79	"	"	7	"
10	3	1	42.5	"	E x N	2			30.36	78	78	74	79	fr	—	10	"
11	4	1	46.6	"	"	3			30.35	78	78	74	79	b c	cu	9	"
Mid.	4	2	50.8	"	"	3			30.35	78	78	74	79	"	"	7	"

4—265

under the command of Commander Frank Courtis, , U. S. Navy,

Monday, March 27, 1899. , 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Bright moon light. Gentle breeze from East to E x S. Course W N W ½ p.c. Under all sail save main sail & main topmast staysail.

C. M. Fahs Lieut. U.S.N.

4 to 8 a.m.
Fair pleasant weather. Gentle breeze from E x S. At 6:00 sighted High land from main royal yard, bearing N x E. Passed small Islands of gulf weed. At end of watch on course, W N W, Dist. log 96.; Ship under all sail but main sail & main topmast staysail.

T. M. Bennett. Ensign, U.S.N.

8 a.m. to meridian.
Clear & pleasant. Moderate E x S ly breeze. Barometer steady. By order of Comdg. Officer, released R. Dalzell, app. sel., from confinement, his term having expired. At 9:40 took in main try sail. At 11:30, 8 o'clock Lecture. At 9:30 mustered at quarters, followed by routine Divisional drills. At 10:30, held Boys inspection. At end of watch under all sail save main sail, main try sail, and main topmast staysail, on course N W W, p.s.c., log, 12.8

Ralph D. Earle.
Ensign, U.S.N.

meridian to 4 p.m.
Clear and warm. Gentle breeze from E S E. At 1:30 bailed up spanker. During 3d period instructed apprentices in sails, rigging, and marlin spike seamanship. On course, W N W, At end of watch, under head sail and all square sail except main sail.

T. D. Berry Lieut. U.S.N.

4 to 6 p.m.
Fair & pleasant. Light breeze from E S E. Course, W N W, p.s.c. All sail set save main sail, main topmast staysail, try sail, and spanker.

C. M. Fahs Lieut. U.S.N.

6 to 8 p.m.
Clear & pleasant. Light breeze from East. At 6:35 sighted land on Starboard bow. ½ point At 6:41, moon rose. At end of watch on course, W N W, Dist. log, 36.4, under all square sail except main sail, and jib, flying jib, & fore topmast staysail. Ship pitching at intervals.

T. M. Bennett, Ensign, U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light to gentle E'ly and E x N ly breezes. Barometer falling. Bright moon light. At 8:00, changed course to N W x W, p.s.c. log, 36.4. At 8:15, set main topmast staysail, main try sail and spanker. Taking soundings at intervals during watch, getting no bottom at 100 fathoms. At end of watch under all sail except main sail, on course N W x W, p.s.c., log, 50.8.

Ralph D. Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Qualtrough
Lieutenant, U.S.N. Navigator.

4-285

LOG of the UNITED STATES Training Ship Essex Rate,

Making passage from La Guayra Ven. to Kingston, Jamaica

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	7	545	NW x W	ENE	3	P. S.		30.36	78	77	74	79	bc	Cu	5	S
2	2	2	56.7	"	"	3	–	–	30.34	78	77	74	79	"	"	7	"
3	4	4	62.1	"	"	2	–	"	30.37	78	77	74	79	"	"	7	"
4	4	6	67.7	"	"	3	–	–	30.32	77	77	74	79	"	"	5	"
5	3	9	71.6	"	"	3	–	–	30.30	77	77	74	79	"	Few	5	"
6	3	8	75.4	West	"	2	–	1/4	30.34	75	77	74	79	"	"	5	"
7	2	2	77.6	"	"	2	–	–	30.35	81	80	77	79	"	"	6	"
8	1	2	78.8	WbS.	"	2	–	–	30.36	85	81	77	79	"	Cu	7	"
9	2	2	80.0	"	"	3	–	–	30.36	85	81	77	79	"	"	7	"
10	7	0	87.6	West	"	3	10°-15°	–	30.40	85	85	77	79	"	"	7	"
11	7	4	95.0	"	"	3	10°-15°	=	30.42	88	86	77	79	"	"	7	"
Noon.	4	0	99.0	"	"	3	10°-15°	–	30.40	90	88	79	79	"	"	7	"
	4	0	103.0	Various	"	3	10°-15°	–	30.40	90	88	79	79	"	"	7	"

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 4 tons, 1800 lbs.

Coal remaining on hand at noon, 109 " 640 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
P. M.																	
1	7	3	37.0	Various	ENE	4	10-10		30.35	81	81	77	79	bc	Cu	5	S.
2				"	"	4	0		30.35	82	84	77		"	"	6	
3				"	"	4	0		30.34	82	84	77		"	"	7	
4				SE.	SE	4			30.30	84	84	79		"	"	6	
5				"	"	3			30.30	84	84	79		"	"	5	
6				SExE.	SExE	2			30.30	81	82	82		"	"	5	
7				"	"	2			30.30	81	81	78		"	"	7	
8				NExE.	"	2			30.30	82	81	78		"	"	7	
9				East	East	1			30.33	82	81	78		"	"	9	
10				NE	Calm	0			30.33	81	79	78		"	"	9	
11				North	"	0			30.33	80	78	77		bcl	"	9	
Mid.				"	"	0			30.30	79	78	77		bcr.	"	9	

4-265

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, March 28, 1899. , 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced & til 4 a.m. Clear & pleasant. Bright moon light. Gentle breezes from E.N.E. Taking soundings every 10 minutes from 12 to 1, letting out 100 fm of line & getting no bottom. At 1:30, pat. log reading 567, changed course to N.W. and started fires under boilers N.B. & D. Under all sail & kept main sail during watch.

J. F. Berry Lieut. U.S.N.

4 to 8 a.m. Fair & pleasant. Gentle light breeze from E.N.E. All sail set save main sail. Course N.W. p.s.c. At 5:35, changed course to N.W. p.s.c., pat. log 742, and at 5:45, changed course to Mest. p.s.c. Pat. log 749, and at 7:15, changed course to W.N.W. p.s.c. pat. log 788. At 7:07 started ahead full speed with the engines. At 5:40 took in main topmast staysail & at 6:30, took in main try sail & spanker and fore topmast staysail. At 7:00 took in square sail on the main & furled them. At daylight, 5.25, sighted high land of Jamaica N. Port bow.

Chas Gatch Lieut. U.S.N.

8 a.m. to meridian. Fair pleasant weather. Light to gentle breezes from E.N.E. And 8:15 took in sail & fore and head sail. At 9:10. stopped, and took on board a pilot. At 9:30 mustered at quarters, exercised at routine drill. Making preparations for coming into Port. Charging course gradually, and lead in for Kingston Harbor. The Comdg. Officer assigned the following punishments at the mast: (accumulated list) Stood at end of watch standing in for entrance. Average steam pressure, 52, av. revolutions, 80. Fired rolling, at intervals, 10°.

J. McBennett Ensign, U.S.N.

Punishments, March 28, 1899

W. W. Holt, app. 3 cl. } Clothes not marked. 4 hrs. extra duty.
J. J. Moran " 3 " }
E. T. Hoff " " "

G. H. Miller " " absent from muster formation. 4 hrs. ex. duty.
F. A. Child " " noisy about deck 4 hrs " "
H. G. Croft " " slow in clearing gun deck 4 hrs " "
W. R. Loring " " Staving away below when watch was on deck. 4 hrs. extra duty.
P. H. Road " " Smoking, 4 hrs extra duty.

J. McBennett Ensign U.S.N.

8 to 12 M. Light breezes from E. by N. Clear & pleasant. Barometer steady. Ship under way. At 9:30 Kingston Harbor Light abeam, hauled in for Kingston Harbor. At 10:00 came to anchor in Kingston Harbor, moored with U.S.S. "New York" which was returned gun for gun & at fore, which was returned. Secured the engines, the ship was boarded & done from the fort, made a visit & salute of 13 guns to Comdr. in Chief "New York". U.S.S. "Iris" "Newly" in the harbor. At 2:55, answered bearings of anchorage, ship's "Varbatt" At 3:30, Comdg. Officer went ashore to communicate with the boilers B, C & D, and kept fires under boiler A for distilling purposes. At. steam, 525, av. rev. 33.6. At 3:45, U.S.S. "New York" fired a salute of 17 guns, with English flag at the fore. Signals as follows: At 1:30, Essex exchanged numbers with U.S.S. New York. At 1:38, Essex to New York, inter. 4302; at 1:37, New York to Essex, affirm. at 2:25, Essex to New York, inter. 131. At 2:30, New York to Essex, affirm, at 3:00 Essex to New York, inter. 114, at 3:05, New York to Essex, affirm. At 3:01, New York to Squad. teleg. 4236-9581-4704-gen. 616-tel. 0885-4448-9403-1890-0748-2617.

Ralph Earle, Ensign, U.S.N.

4 to 8 p.m.

Fair, pleasant weather. Moderate to gentle breezes from S.E. & E. At 4:18 "Indiana" fired a 17 gun salute, British flag at fore. At 4:21, New York fired a 17 gun salute, British flag at fore, at 5:15 "Indiana" fired a 17 gun salute, British flag at fore. The Captain returned from official call on Admiral. Moon rose at 7:40.

J. McBennett Ensign, U.S.N.

8 p.m. to midnight. Clear and pleasant. Light E'ly airs & calms. Barometer steady. Moon light.

Ralph Earle, Ensign, U.S.N.

Examined and found to be correct.

E. F. Lopez Lieutenant, U.S.N. Navigator.

4-686

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, March 28, 1899. , 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & til 4 a.m. Clear & pleasant. Bright moon light. Gentle breezes from E & N E. Taking soundings every 10 minutes from 12 to 1, getting out 100 fathoms of line & getting no bottom. At 1:30, patent log reading 567, changed course to N W and started fires under boilers B. & D. Under all sail except mainsail during watch.

J. F. Berry, Lieut. U.S.N.

4 to 8 a.m. Fair & pleasant. Gentle light breeze from E & N E. All sail set save mainsail. Course N W, p. c. At 5:35, changed course to N W by N, p. c., pat. log 742, and at 5:45, changed course to West, p. c. pat. log 749, and at 7:15, changed course to W by S, p. c. p. at log 788. At 7:07, started ahead full speed with the engines. At 5:40 took in main topmast staysail & at 6:30, took in main try sail & spanker and fore topmast staysail. At 7:00 took in square sail on the main & furled them. At daylight, 5:25, sighted high land of Westmoreland of Jamaica, N. port bow.

C. M. Dahl, Lieut. U.S.N.

8 a.m. to meridian. Fair pleasant weather. Light to gentle breezes from E & N E. And at 8:15 took in sail & fore and head sail. At 9:10, stopped, and took on board pilot. At 9:30 mustered at quarters, exercised at routine drill. Making preparations for coming into Port. Changing course gradually, and leading in for Kingston Harbor. The Commdg. Officer assigned the following punishments at the mast. (see appended list.) At end of watch standing in for entrance. Average steam pressure, 52, av. revolutions, 40. Vessel rolling at intervals, 10°.

J. W. McBurney, Ensign, U.S.N.

meridian to 4 p.m. Clear & pleasant. Moderate E. N. E. by breezes, shifting to S. E. by, last hour. Barometer falling. Mad variation roll 10°. At 2:25 changed course to W. N. W. by W. log 177. At 1:00, Plum Pt. light abeam, hauled in pat. log reading 223, and during remainder of watch standing in on various courses to anchorage in Kingston Harbor, the Commdg. Officer Navigator, and pilot on the bridge. At 1:30 exchanged number with U.S.S. "New York" lying in the harbor. At 1:40 fired a salute of 21 guns, English flag at main, which was returned gun for gun by shore battery at Port Royal. At 1:45, fired salute of 11 guns, English flag at fore, which was returned gun for gun by H.M.A.S. "Urgent" with American flag at fore. At 1:40 stopped engines, the ship was boarded by health officer and granted pratique. An officer from H.M.R.S. "Urgent", and one from the fort, made a visit of courtesy to this ship. At 2:00 went ahead and stood into harbor. At 2:30 fired salute of 13 guns to Comdr. in Chief of U.S. North Atlantic Squadron, which was returned by 7 guns from the "New York". U.S.S. Ships "New York", "Brooklyn", "Indiana", "Texas", "Marblehead", "Detroit" and "Supply" in the harbor. At 2:55, anchored with starboard anchor, 30 fms. at water's edge, in 7 fms. of water. Bearings of anchorage, ship's head S. E. ½ S., Plum Pt. light, S. 17° E., end of coal dock N. 81° W., all by starboard. At 3:30, Comdg. Officer left the ship, to pay an official visit to the Commander-in-Chief. Sent officer ashore to communicate with U.S. Consul. Draft of ships, fore 14', aft 17'. Aboard fires to die out under boilers B. & D., and kept fires under boiler A. for distilling purposes. Av. steam, 52.5, av. rev. 33.6. At 3:45, U.S.S.S. New York, fired a salute of 17 guns, with English flag at the fore. Signals as follows: At 1:30, Essex exchanged numbers with U.S.S. New York. At 1:38, Essex to New York, inter. 4302; at 1:37, New York to Essex, affirm. at 2:25, Essex to New York, inter. 131. At 2:30, New York to Essex, affirm., at 3:00 Essex to New York, inter. 114, at 3:05, New York to Essex, affirm. At 3:54, New York to Squad. teleg. 4236-9581-4504-gen. 676-tel. 0885-4448-9403-1890-0748-2617.

Ralph Earle, Ensign, U.S.N.

4 to 8 p.m.

Fair, pleasant weather. Moderate to gentle breezes from S. by E. & S. E. At 4:15, "Indiana" fired a 17 gun salute, British flag at fore. At 4:21, New York fired a 17 gun salute, British flag at fore, at 5:15 "Indiana" fired a 17 gun salute. British flag at fore. The Captain returned from official call on Admiral. Moon rose at 7:20.

J. W. McBurney, Ensign, U.S.N.

8 p.m. to midnight. Clear and pleasant. Light E. by airs & calms. Barometer steady. Moon light.

Ralph Earle, Ensign, U.S.N.

Examined and found to be correct.

E. F. Lopez, Lieutenant, U.S.N. Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex, Rate,

Marcher. Kingston, Jamaica.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N × W	Calm	0			30.32	78	74	75		Lee	cu	9	
2				N × E	"	0			30.32	77	75	74		"	"	9	
3				North	"	0			30.20	77	75	74		"	"	9	
4				"	"	0			30.28	77	75	74		"	"	9	
5				N × E	"	0			30.29	77	76	78		"	"	9	
6				"	"	0			30.30	78	78	74		"	"	9	
7				"	"	0			30.30	78	75	74		"	"	9	
8				"	"	0			30.32	78	79	77		"	"	8	
9				Swinging	"	0			30.36	86	82	77		"	"	6	
10				S.S.E.	SSE	2			30.35	85	82	77		"	"	6	
11				"	"	2			30.34	85	82	77		"	"	5	
Noon.				"	"	3			30.32	83	81	74		"	"	5	

Position at 8 A. M.: Latitude by ° ′ ″ Temp of Bag. Sea Air
Longitude by ° ′ ″ 80-80 77-77

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 1 tons, 1660 lbs.

Coal remaining on hand at noon, 107 " 1220 "

P. M.						2											
1				SSE	SSE	3			30.31	84	81	78		bc	cu	6	
2				"	"	3			30.29	84	80	78		"	"	6	
3				"	"	3			30.27	84	80	77		"	"	6	
4				SE	"	3			30.27	83	79	76		"	"	4	
5				"	SE	3			30.25	81	80	78		"	"	4	
6				"	"	3			30.26	80	80	77		"	"	5	
7				ESE	ESE	3			30.27	80	80	78		"	"	8	
8				"	"	3			30.28	81	80	77		bcl	"	8	
9				"	"	2			30.29	80	79	77		bc	"	9	
10				East	"	1			30.31	80	79	77		"	"	9	
11				"	"	1			30.32	79	78	76		"	"	7	
Mid.				Various	Calm	0			30.32	78	77	76		"	"	6	

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday, March 29, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 a.m.
Clear & pleasant. Calm. The English steamer "Argentina" left the harbor.

J T Howry
Lieutenant, U.S.N.

4 to 8 a.m.
Clear pleasant weather. Calms. At 7:00 flagship made time, and ans from signal 7:05. Got out steam launch.

J M Burnett, Ensign, U.S.N.

8 am to meridian.
Clear & pleasant. Calm first hour followed by light to gentle SSE'ly breeze. Barometer falling. At 9:30 Comdg Officer left the ship, to pay an official visit on the commanding officers of the vessels of the squadron, returning at 11:00. Crew engaged in blacking ship's side, and overhauling the port bower and sheet chains, shifting one for the other the first and last fifteen fathoms of port chain.

Ralph Earle,
Ensign, U.S.N.

meridian to 4 p.m.
Fair & warm. Gentle breeze from S.S.E. Finished overhauling sheet and port bower chains, and sent them below, also finished blacking outside hull of ship.

J T Howry
Lieutenant, U.S.N.

4 to 8 p.m.
Fair & pleasant. Gentle SE'ly & ESE'ly breezes. Barometer rising. At 5:30 went to quarters and served out clean hammocks. At sundown sent down light yards, unbent and sent below light sails. Chaplain held evening prayers. Signals: at 6:15 "New York to squadron, gen. 680, tel. 9081, 4504."

Ralph Earle,
Ensign, U.S.N.

8 pm to midnight
Clear & pleasant. Light airs & breezes from ESE. Moon rose at 8:35.

J T Howry
Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Low
Lieutenant, U.S.N.
Navigator.

4-365

LOG of the UNITED STATES Training Ship Essex Rate,

Anchor, Kingston Jamaica.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Ther.	TEMPERATURE. Air, Wet Ther.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				North	Calm	0			30.30	78	77	75		be	cu	9	
2				N x E	North	1			30.29	77	76	74		b	nos	10	
3				N N E	"	1			30.29	77	75	74		"	"	10	
4				North	"	1			30.28	76	74	73		be	cu	9	
5				N x W	"	1			30.28	78	74	73		"	"	9	
6				"	"	1			30.29	78	76	74		"	"	9	
7				"	"	1			30.30	77	76	74		"	"	9	
8				"	Calm	0			30.31	77	80	77		"	"	9	
9				E S E	S S E	2			30.34	79	80	77		"	"	9	
10				S E	S E	4			30.35	81	80	77		"	"	7	
11				"	"	4			30.36	82	83	78		"	"	7	
Noon.				"	"	4-5			30.34	82	84	79		"	"	7	

Position at 8 A. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 290 lbs.

Coal remaining on hand at noon, 106 " 930 "

P. M.																	
1				S E	S E	5			30.30	82	82	79		be	cu	9	
2				"	"	5			30.29	82	82	79		"	"	7	
3				"	"	5			30.28	82	82	79		"	"	6	
4				"	"	5			30.26	82	82	79		"	"	6	
5				"	E S E.	5			30.27	81	82	79		"	"	6	
6				"	"	5			30.29	80	80	78		"	"	5	
7				"	"	4			30.29	80	80	77		"	"	5	
8				"	"	2			30.30	80	79	76		"	"	8	
9				Swinging	"	1			30.30	80	79	76		"	"	9	
10				N E x E	"	1			30.30	80	79	76		"	"	9	
11				"	"	1			30.30	80	79	76		"	"	9	
Mid.				"	Calm	0			30.31	80	79	76		"	"	9	

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, March 30th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Thursday, March 30. 1899

Commences & until 4 a.m.
Clear & pleasant Calm first hour. Light airs from North remainder.

C. M. McFahs
Lieut. U.S.N.

4 to 8 a.m.
Clear & pleasant. Light Nly airs & calm. Barometer rising. Scrubbed hammocks. At 7:30, U.S.S. Newark came in and anchored to the West'd of Flagship. At 7:00 flagship made uniform & time signal. British steamer "Beta" came in at 8:00. Received in Pay Dept. 150 lb. of fresh bread, & 190 lbs. each of Meat & Vegetables.

Ralph Earle,
Ensign, U.S.N.

8 a.m. to meridian
Clear & pleasant. Light to stiff breezes from S.S.E. & S.E. At 9:30 went to quarters for inspection. Followed by Company & Battalion drill. At 9:35 the U.S. Cardell paid an official call on board, and on leaving, a salute of 7 guns was fired with the American Ensign at the fore. The Comdg. Officer called officially on the Governor of the Island. Rec'd from the U.S.S. Supply, for the use of crew, 3600 lbs. of flour. The Comdg. Officers of the "Marblehead," "Detroit," and "Supply," paid official visits to the Comdg. Officer of this vessel. The U.S.S. "Newark" got under way at 9:15, and stood out of the Harbor. The Flagship made the following general signal at 11:20: Squadron will not leave till mail arrives tomorrow by order of Comdg. Officer, released G. E. Pollard, app. sec. from confinement, his term of confinement having expired.

F. F. Lowry Lieut. U.S.N.

meridian to 4 p.m.
Fair & pleasant. Stiff S.E. by breeze. The Captain of the Indiana called officially on the Commander. The Brooklyn fired a salute of 7 guns, U.S. Ensign at the fore, and the Texas later did the same.

C. M. McFahs
Lieut. U.S.N.

4 to 8 p.m.
Fair & pleasant. Stiff breeze from E.S.E. The Comdg. officer of the "New York" called officially on the Comdg. Officer. The chaplain read evening Prayers at Hammocks.

F. F. Lowry
Lieut. U.S.N.

8 p.m. to midnight.
Clear & pleasant. Light airs from E.S.E. Calm last hour. At 9:35 the mon rose

C. M. McFahs
Lieut. U.S.N.

Examined and found to be correct.

F. F. Lowry
Lieutenant U.S.N. Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex, **Rate,**

At anchor, Kingston, Jamaica

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bu.	TEMPERATURE. Air. Wet Bu.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths	State of the Sea.
A. M.																	
1				None	Calm	0			30.32	77	78	76		be	cu	9	
2				"	"	0			30.32	77	78	76		"	"	9	
3				NNE	"	0			30.31	76	77	75		"	"	9	
4				N x E.	North	1			30.30	76	77	75		"	"	6	
5				"	Calm	0			30.29	75	76	74		"	"	6	
6				"	"	0			30.30	77	76	74		"	"	7	
7				"	"	0			30.31	79	75	76		"	"	7	
8				ENE	ENE	3			30.32	82	82	79		"	"	6	
9				ESE	ESE	2			30.32	82	82	79		"	"	6	
10				"	"	4			30.32	83	83	79		"	"	6	
11				"	"	5			30.33	84	85	79		"	"	6	
Noon.				SE	"	5			30.34	85	84	80		"	"	7	

Position at 8 A. M.: Latitude by ° ′ ″ Temp. of Mag Gen Mpt.

Longitude by ° ′ ″ 81.80 78 77

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 400 lbs.

Coal remaining on hand at noon, 106 " 530 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bu.	TEMPERATURE. Air. Wet Bu.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths	State of the Sea.
P. M.																	
1				SE	S.E.	6			30.31	84	83	77		be	cu	8	
2				"	"	5-6			30.29	85	83	77		"	"	9	
3				"	"	5			30.28	86	84	78		"	"	8	
4				"	"	4-5			30.28	88	83	78		"	7 cu	9	
5				"	"	4-5			30.26	85	83	78		"	"	9	
6				"	"	4-5			30.24	83	82	77		"	"	7	
7				"	"	4-5			30.27	82	80	76		"	"	7	
8				"	"	4			30.28	80	80	76		"	"	7	
9				"	"	3			30.30	82	78	76		be	None	10	
10				"	"	3			30.30	83	78	75		"	"	10	
11				NBxN	NBxN	1			30.31	82	77	74		be	cu	9	
Mid.					"	1			30.31	79	77	74		"	"	9	

under the command of Commander Frank Courtis, , U. S. Navy,
March 31st, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & til 4 a.m.
Clear & pleasant. Calm & light airs from North.

J. M. Burnett Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Calm except last hour, when a gentle breeze sprung up from E.S.E. At 7.00 Lat. mastered colors, following movements of flag ship, hauling them down again at 7.15. Flagship made time & uniform signal at 7.06. Crossed topgallant yards.

J. H. Dorry
Lieut. U.S.N.

Punishments. Mar. 31, 1899

W. E. Bowers, app. 3 cl.	lying	8 hrs extra duty.
A. Talbot, app. 3 cl. } E. Thomas, " " }	slow in obeying order.	4 hrs extra duty,
G. N. Rosen, " " } C. J. Coye " " }	slow in manning boat	4 hrs " "
G. J. Hargraves, " "	Vicious deportment to M.A.	4th class
R. E. Hutchins, " "	not manning boat, and out of uniform	4 hrs. extra duty
M. M. Nelson app 3 cl.	Not manning catamaran	4 " " "
G. A. Weber " "	using vile epithet to Gun Mate	5 days solid cor Bread & water
J. N. Miller, app 3 cl.	Positively refusing to obey orders of, and insolent to M.A.	5 days solid cor Bread & water
R. M. Smith, app 3 cl. } C. H. Knapp " " }	Skylarking at quarters.	4 hrs extra duty
N. C. Rocker, " "	Shirking.	4 hrs. extra duty
G. R. Welch, " "	"	1 week extra duty ~~spotted~~
C. H. Knapp, app. 3 cl. } E. Thomas, " " } E. N. Child " " }	smoking,	16 hrs extra duty.
B. W. Laffi, Ld.	Losing Govt. property.	4th class.
A. Norbart, app. 3 cl.	slow in obeying orders & using profane language	12 hrs extra duty.
A. Talbot, app. 3 cl.	Clothes in laundry bag.	4 hrs. extra duty.

O. M. Fahs
Lieut. U.S.N.

to General Quarters: 1st div. - 4 minutes, Powder men room, flood cocks and, ard. and obt. tactical signals atural order. The "Supply" l commanding the troops m hour (on list), and in accord- ead and water, for 5 days, G. A. Weber, app. 3 d., was ate.

O. M. Fahs Lieut. U.S.N.

s of boys reeld instructions dy. for 3 cl. a straggler from laced in double irons aft the U.S. Consul, in East dy.

J. M. Burnett. Ensign, U.S.N.

dy in 3 3/4 minutes, ercised with the light yards, straggler from the "Indiana Commander was placed

O. M. Fahs
Lieut. U.S.N.

on N.E. & N. Moon rose at

J. M. Burnett Ensign, U.S.N.

E. F. Logsdon
Lieut. U.S.N. Navigator.

under the command of Commander Frank Courtis, , U. S. Navy,

March 31st, , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences at 4 a.m.
Clear & pleasant. Calm & light airs from North.

J. M. Burnett Ensign, U.S.N.

4 to 8 a.m.
Clear & pleasant. Calm, except last hour, when a gentle breeze sprung up from E.S.E. At 7:00 Ld'g mastd colors, following movements of flag ship, hauling them down again at 7:15. Flagship made time & uniform signal at 7:06. Crossed topgallant yards.

J. H. Dewey
Lieut. U.S.N.

8 a.m. to meridian.
Fair & pleasant. Gentle to stiff breeze from E. & S.E. At 9:31, went to General Quarters: 1st div. ready in 2¾ min., 2d divs in 1st 1¾ minute, 3d in 2¼ minutes, 4th in 4½ minutes, Powder in 2 minute, & Navigators in 4 minutes. Tested magazine and shell room flood cocks and found them in good condition. The New York signalled "to us," Disregard our tactical signals." At 10:10 the Squadron got under way and stood out in column, in natural order. The "Supply" went out at 10:30. The Commander called officially on the General commanding the troops on shore. By order of the Comdr. punishments were awarded as follows: (see list), and in accordance therewith, placed G. H. Miller, appr. 3d, in solitary confinement on bread and water, for 5 days, for refusing to obey orders of, and being insolent to C.P.O. R. A. A., and G. A. Weber, appr. 3d., was given the same punishment for using vile epithets to Gunners mate.

Chas. Fahs Lieut. U.S.N.

meridian to 4 p.m.
Clear, pleasant weather. Steff to fresh breeze from S.E. Divisions of boys recd instruction in sails, spars, rigging, and Marlin spike seamanship. Pat'k O'Grady, fir. 2d cl., a straggler from the "Indiana" was brought on board by the police authorities, and placed in double irons for safe keeping. He was afterwards released and sent ashore to the U.S. Consul, in Custody of the police authorities of Singapore.

J. M. Burnett. Ensign, U.S.N.

4 to 8 p.m.
Clear and pleasant. Exercised at Fire Quarters, all divisions ready in 3¾ minutes. After Fire Quarters, exercised at stations for "Abandon Ship." Exercised with the light yards, and at sundown sent them down. Patrick O'Grady, fir. 2d cl., a straggler from the "Indiana" was brought on board by the water police and by order of the Commander was placed in single irons on berth deck, for safe keeping.

Chas. Fahs
Lieut. U.S.N.

8 p.m. to mid night.
Clear & pleasant. Gentle breezes from S.E., shifting to light airs from N.E. & N. Moon rose at 10:30.

J. M. Burnett Ensign, U.S.N.

APPROVED.

Frank Courtis
COM'D'R., U.S.N., COM'D'G.

Examined and found to be correct.

E. F. Lyon
Lieut. U.S.N. Navigator.